SEARS

OWNER'S MANUAL

MODEL NO. 917.255692

Caution:
Read and follow all Safety Rules and Instructions Before Operating This Equipment

3One Convertible

CRAFTSMAN®

14.0 HP OHV ELECTRIC START 3 in One Convertible 42" MOWER DECK 6 SPEED TRANSAXLE LAWN TRACTOR

- Assembly
- Operation
- Customer Responsibilities
- Service and Adjustment
- Repair Parts

Sears, Roebuck and Co., Chicago, IL 60684 U.S.A.

SAFETY RULES

Safe Operation Practices for Ride-On Mowers

IMPORTANT: THIS CUTTING MACHINE IS CAPABLE OF AMPUTATING HANDS AND FEET AND THROWING OBJECTS. FAILURE TO OBSERVE THE FOLLOWING SAFETY INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.

I. GENERAL OPERATION

- Read, understand, and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Be aware of the mower discharge direction and do not point it at anyone. Do not operate the mower without either the entire grass catcher or the guard in place.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- Turn off blades when not mowing.
- Stop engine before removing grass catcher or unclogging chute.
- Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.

II. SLOPE OPERATION

Slopes are a major factor related to loss-of-control and tipover accidents, which can result in severe injury or death. All slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.

DO:

- Mow up and down slopes, not across.
- Remove obstacles such as rocks, tree limbs, etc.
- Watch for holes, ruts, or bumps. Uneven terrain could overturn the machine. *Tall grass can hide obstacles.*
- Use slow speed. Choose a low gear so that you will not have to stop or shift while on the slope.
- Follow the manufacturer's recommendations for wheel weights or counterweights to improve stability.
- Use extra care with grass catchers or other attachments. These can change the stability of the machine.
- Keep all movement on the slopes *slow* and *gradual*. Do not make sudden changes in speed or direction.
- Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly *straight* down the slope.

DO NOT:

- *Do not* turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.
- *Do not* mow near drop-offs, ditches, or embankments. The mower could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in.
- *Do not* mow on wet grass. Reduced traction could cause sliding.
- *Do not* try to stabilize the machine by putting your foot on the ground.
- *Do not* use grass catcher on steep slopes.

III. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. *Never* assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and *down* for small children.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

IV. SERVICE

- Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.
  - Use only an approved container.
  - Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling. Do not smoke.
  - Never refuel the machine indoors.
  - Never store the machine or fuel container inside where there is an open flame, such as a water heater.
- Never run a machine inside a closed area.
- Keep nuts and bolts, especially blade attachment bolts, tight and keep equipment in good condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spillage. Allow machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running.
- Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently. Adjust and service as required.

Look for this symbol to point out important safety precautions. It means CAUTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.

CAUTION: Always disconnect spark plug wire and place wire where it cannot contact spark plug in order to prevent accidental starting when setting up, transporting, adjusting or making repairs.

CONGRATULATIONS on your purchase of a Sears tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Center/Department. We have competent, well-trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble and maintain your unit properly. Always observe the "SAFETY RULES".

MODEL NUMBER 917.255692

SERIAL NUMBER _____

DATE OF PURCHASE _____

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A PLATE UNDER THE SEAT.

YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

MAINTENANCE AGREEMENT

A Sears maintenance agreement is available on this product. Contact your nearest Sears store for details.

CUSTOMER RESPONSIBILITIES

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your unit.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this owner's manual.

PRODUCT SPECIFICATIONS

HORSEPOWER:	14.0
GASOLINE CAPACITY:	3.5 GALLONS UNLEADED REGULAR
OIL (3.0 PINTS w/o FILTER) (3.5 PINTS w/FILTER)	SAE 30 (Above 32°F) 5W-30 (Below 32°F)
SPARK PLUG (GAP .030 IN.):	CHAMPION RC12YC
VALVE CLEARANCE:	INTAKE: .0015-.0030 IN. EXHAUST: .0020-.0035 IN.
GROUND SPEED:	FORWARD: 1st 1.10 MPH 2nd 1.40 MPH 3rd 2.00 MPH 4th 3.00 MPH 5th 4.20 MPH 6th 5.00 MPH REVERSE: 1.50 MPH
TIRE PRESSURE:	FRONT: 14 PSI REAR: 10 PSI
CHARGING SYSTEM:	15 AMPS @ 3600 RPM
BLADE BOLT TORQUE:	30-35 FT. LBS.

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the state of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest Sears authorized service center (See the "REPAIR PARTS" section of this manual).

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

For two (2) years from the date of purchase, if this riding equipment is maintained, lubricated and tuned up according to the instructions in the owner's manual, Sears will repair or replace, free of charge, any parts found to be defective in material or workmanship.

This Warranty does not cover:

- Expendable items which become worn during normal use, such as blades, spark plugs, air cleaners and belts.
- Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.
- Repairs necessary because of operator abuse, negligence, improper storage or accident or the failure to maintain the equipment according to the instructions contained in the owner's manual.
- Riding equipment used for commercial or rental purposes.

LIMITED 90 DAY WARRANTY ON BATTERY

For 90 days from date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE RIDING EQUIPMENT TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES.

This Warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

SEARS, ROEBUCK AND CO., D/731CR-W, SEARS TOWER, CHICAGO, ILLINOIS 60684

TABLE OF CONTENTS

SAFETY RULES 2
PRODUCT SPECIFICATIONS 3
CUSTOMER RESPONSIBILITIES 3, 15-18
WARRANTY 3
TABLE OF CONTENTS 4
INDEX 4
TRACTOR ACCESSORIES 5
ASSEMBLY 7-10
OPERATION 11-14
MAINTENANCE SCHEDULE 15
SERVICE AND ADJUSTMENTS 19-23
STORAGE 24
TROUBLESHOOTING 25-26
REPAIR PARTS - TRACTOR 28-43
REPAIR PARTS - ENGINE 44-49
PARTS ORDERING/SERVICE ..... BACK PAGE

INDEX

A

Accessories 5
Adjustments:
- Brake 21
- Carburetor 23
- Mower
  - Front-To-Back 20
  - Side-To-Side 20
- Throttle Control Cable 23

Air Filter, Engine 17
Air Screen, Engine 17
Assembly 7-10

B

Battery:
- Charging 8
- Cleaning 16
- Installation 9
- Levels 8,16-17
- Preparation 8
- Starting with Weak Battery 22
- Storage 24
- Terminals 16

Belt:
- Motion Drive
  - Removal/Replacement 21
- Mower Blade Drive
  - Removal/Replacement 21

Blade:
- Sharpening 16
- Replacement 16

Brake Adjustment 21

C

Carburetor Adjustment 23
Controls, Tractor 11
Customer Responsibilities 15-18
- Engine:
  - Air Filter 17
  - Air Filter Foam Pre-Cleaner 17
  - Air Screen, Engine 17
  - Battery 16
  - Engine Oil 17
  - Fuel Filter 18
  - Oil Filter 18
  - Spark Plugs 18
- Tractor:
  - Blade 16
  - Lubrication Chart 15
  - Maintenance Schedule 15
  - Tire Care 8,16,22

Cutting Height, Mower 12

E

Electrical:
- Schematic 27
- Wiring Diagram 28

Engine:
- Air Filter 17
- Air Filter Foam Pre-Cleaner 17
- Air Screen 17
- Oil Change 17
- Oil Level 13,17
- Oil Type 17
- Preparation 13
- Repair Parts 44-49
- Starting 14
- Storage 24

F

Filter:
- Air Filter 17
- Air Filter Foam Pre-Cleaner 17
- Fuel 18
- Oil 18

Fuel:
- Type 13
- Storage 24

Fuse 22

L

Leveling Mower Deck 20
Lubrication:
- Chart 15

M

Maintenance Schedule 15
Mower:
- Adjustment, Front-to-Back 20
- Adjustment, Side-to-Side 20
- Blade Sharpening 16
- Blade Replacement 16
- Cutting Height 12
- Installation 19
- Operation 13
- Removal 19

Mowing Tips 14
Muffler 18
- Spark Arrester 3,36

Mulcher Plate 10

O

Oil:
- Cold Weather Conditions 13,17
- Engine 17
- Filter 18
- Storage 24

Operation 11-14
Operating Mower 13
Options:
- Accessories 5
- Spark Arrester 3,36

P

Parking Brake 11-12
Parts Bag 6
Parts, Replacement/Repair 28-43
Product Specifications 3

R

Repair Parts 28-43

S

Safety Rules 2
Seat 8
Service and Adjustments 19-23
- Carburetor 23
- Fuse 22
- Motion Drive Belt
  - Removal/Replacement 21
- Mower Blade Drive Belt
  - Removal/Replacement 21
- Mower Adjustment
  - Front- to-Back 20
  - Side-to-Side 20
- Mower Removal 19
- Tire Care 8,16,22

Slope Guide Sheet 51
Spark Plugs 18
Specifications 3
Starting the Engine 13-14
Steering Wheel 7,22
Stopping the Tractor 12
Storage 24

T

Throttle Control Cable
- Adjustment 23

Tires 8,16,22
Trouble Shooting Chart 25-26
Transaxle:
- Repair Parts 42-43

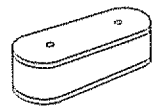
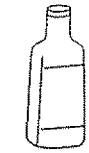
W

Warranty 3
Wiring Diagram 28
Wiring Schematic 27

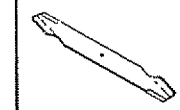
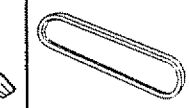
ACCESSORIES AND ATTACHMENTS

These accessories and attachments were available when the unit was purchased. They are also available at most Sears retail outlets, catalog and service centers. Most Sears stores can order these items for you when you provide the model number of your tractor.

ENGINE

SPARK PLUG	MUFFLER	AIR FILTER	GAS CAN	ENGINE OIL	STABILIZER
					

MAINTENANCE

BLADES	BELTS
	

PERFORMANCE

Sears offers a wide variety of attachments that fit your vehicle. Many of these are listed below with brief explanations of how they can help you. This list was current at the time of publication; however, it may change in future years - more attachments may be added, changes may be made in these attachments, or some may no longer be available or fit your model. **Contact your nearest Sears store for the accessories and attachments that are available for your unit.**

Most of these attachments do not require additional hitches or conversion kits (those that do are indicated) and are designed for easy attaching and detaching.

PERMANEX BAGGER lets you collect grass clippings and leaves for a healthier, neater looking lawn. Two Permanex containers hold 30-gallon plastic bags.

LAWN SWEEPERS let you collect grass clippings and leaves.

LAWN VACS for powerful collection of heavy grass clippings and leaves. Wand attachment to pick up debris in hard-to-reach places.

CARTS make hauling easy. Variety of sizes available.

ROLLER for smoother lawn surface. 36-inch wide, 18-inch diameter water-tight drum holds up to 390 lbs. of weight. Rounded edges prevent harm to turf. Adjustable scraper automatically cleans drum.

SPREADER/SEEDERS make seeding, fertilizing, and weed killing easy. Broadcast spreaders are also useful for granular de-icers and sand.

CORING AERATOR takes small plugs out of soil to allow moisture and nutrients to reach grass roots. 36-inch swath. 24 hardened steel coring tips. 150 lb. capacity weight tray.

AERATOR promotes deep root growth for a healthy lawn. Tapered 2.5-inch steel spikes mounted on 10-inch diameter discs puncture holes in soil at close intervals to let moisture soak in. Steel weight tray for increased penetration.

MULCH RAKE/DETHATCHER loosens soil and flips thatch and matted leaves to lawn surface for easy pickup. Twenty spring tine teeth. Useful to prepare bare areas for seeding. Available for front or rear mounting.

SPRAYERS use 12-volt DC electric motor that connects to the tractor battery or other 12-volt source. Includes booms for automatic spraying when pulling, and hand held wand for spot spraying. Wand has adjustable spray pattern. For applying herbicides, insecticides, fungicides, and liquid fertilizers.

SNOW BLADE for snow removal only. 14-inch high, 42-inch wide blade clears 38-inch path when angled left or right. Raises, lowers with side lever. Adjustable skids; replaceable, reversible scraper bar. (Use with tire chains, wheel weights, or rear drawbar weight.)

SNOWTHROWER has 40-inch swath. Drum-type auger handles powdery and wet/heavy snow. Mounts easily with simple pin arrangement. Discharge chute adjusts from tractor seat. 6-inch diameter spout discharges snow 10 to 50 feet. Lift controlled at tractor seat. (Use with chains, wheel weights, or rear drawbar weight.)

TIRE CHAINS are heavy duty; closely spaced extra-large cross links give smooth ride, outstanding traction.

WHEEL WEIGHTS for rear wheels provide needed traction for snow removal or dozing heavy materials. In pairs. (30 lbs. each.)

TRACTOR CAB has heavy duty vinyl fabric over tubular steel frame, ABS plastic top; clear plastic windshield offers 360 degree visibility. Hinged metal doors with catch. Keeps operator warm and dry. Remove vinyl and windshields for use as sun protector in summer. (Catalog only.)

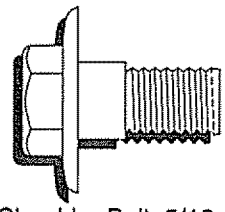
Optional accessories for tractor cab: tinted/tempered solid safety glass windshield with hand operated wiper; 12-volt amber caution light for mounting on cab top. (Catalog only.)

TRACTOR COVER protects tractor from weather. Made of Evolution 3 fabric (water-repellent, extremely breathable, light weight, soft, non-abrasive, pliable in all temperatures, durable, stain/tear/puncture resistant, will not shrink or stretch.) (Catalog only.)

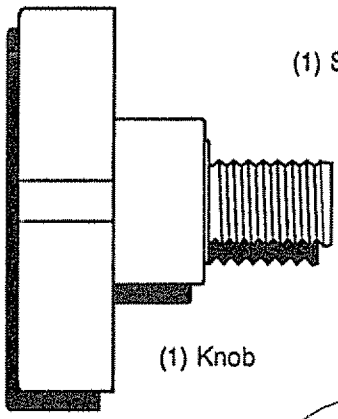
TILLER has 5 hp engine and 36-inch swath to prepare seed beds, cultivate, and compost garden residue. Tiller has its own built-in lift and depth control system and does NOT require a sleeve hitch. Fits any lawn, yard, or garden tractor. Simply hook up to the tractor drawbar and go!

CONTENTS OF HARDWARE PACK

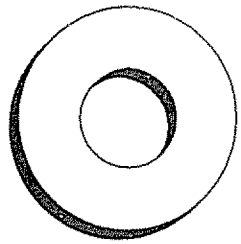
Parts Bag contents shown full size



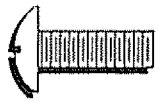
(1) Shoulder Bolt 5/16-18



(1) Knob

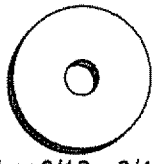


(1) Washer 17/32 x 1-3/16 x 12 Ga.

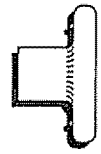


(2) Screw #10 x 5/8

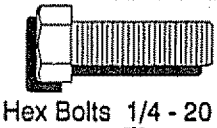
(2) Washer, Lock #10



(2) Washer 3/16 x 3/4 x 16 Ga.



(2) Nut, Weld #10



(2) Hex Bolts 1/4 - 20 x 3/4

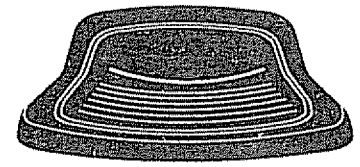
(2) Hex Nuts 1/4 - 20

(2) Washers 9/32 x 5/8 x 16 Ga.

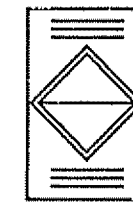
(2) Lock Washers 1/4

(2) Wing Nuts 1/4 - 20

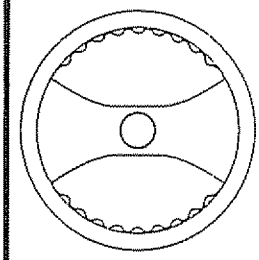
Parts packed separately in carton



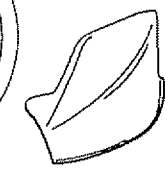
Seat



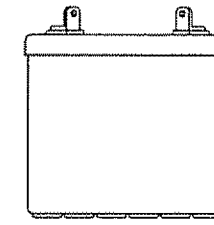
Battery acid



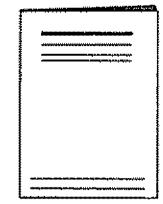
Steering Wheel



Mulcher Plate

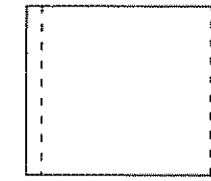


Battery



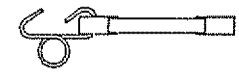
Owner's Manual

Steering Sleeve

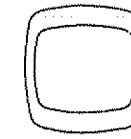


Parts Bag

Parts bag contents not shown full size

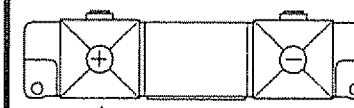


(2) Latch Hook Assembly



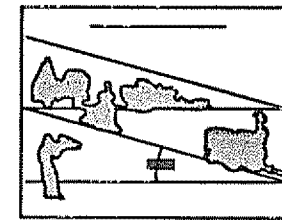
Steering Wheel Insert

(2) Battery Carriage Bolts 1/4-20 x 7-1/2

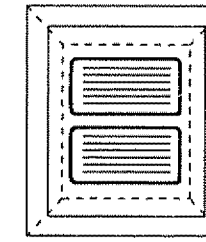


Terminal Guard

(2) Keys



15° Slope Sheet



Battery Caps and Instructions

ASSEMBLY

Your new tractor has been assembled at the factory with exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your tractor all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to insure their proper tightness.

TOOLS REQUIRED FOR ASSEMBLY

A socket wrench set will make assembly easier. Standard wrench sizes are listed.

(2) 7/16" wrenches
(1) Screwdriver
(1) 1/2" wrench
(1) Tire pressure gauge
(1) 3/4" socket w/drive ratchet
(1) Utility knife

When right and left hand is mentioned in this manual, it means when you are in the operating position (seated behind the steering wheel).

TO REMOVE UNIT FROM CARTON

UNPACK CARTON

- Remove all accessible loose parts and parts cartons from carton (See page 6).
- Cut along lines on the carton, from top to bottom, all four corners of carton and lay panels flat.
- Check for any additional loose parts or cartons and remove.

BEFORE ROLLING UNIT OFF SKID

ATTACH STEERING WHEEL (See Fig. 1)

- Remove hex locknut and large flat washer from steering shaft.
- Position front wheels of the tractor so they are pointing straight forward.
- Position steering sleeve over steering shaft.
- Position steering wheel so cross bars are horizontal (left to right) and slide onto adapter.
- Secure steering wheel to steering shaft with hex locknut and large flat washer previously removed. Tighten securely.
- Snap insert into center of steering wheel.
- Remove protective plastic from tractor hood and grill.

IMPORTANT: CHECK FOR AND REMOVE ANY STAPLES IN SKID THAT MAY PUNCTURE TIRES WHERE UNIT IS TO ROLL OFF SKID.

(See Fig. 2)

- Raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- Place gearshift lever in "NEUTRAL" position.
- Roll unit backwards off skid.
- Remove banding holding discharge guard up against tractor.

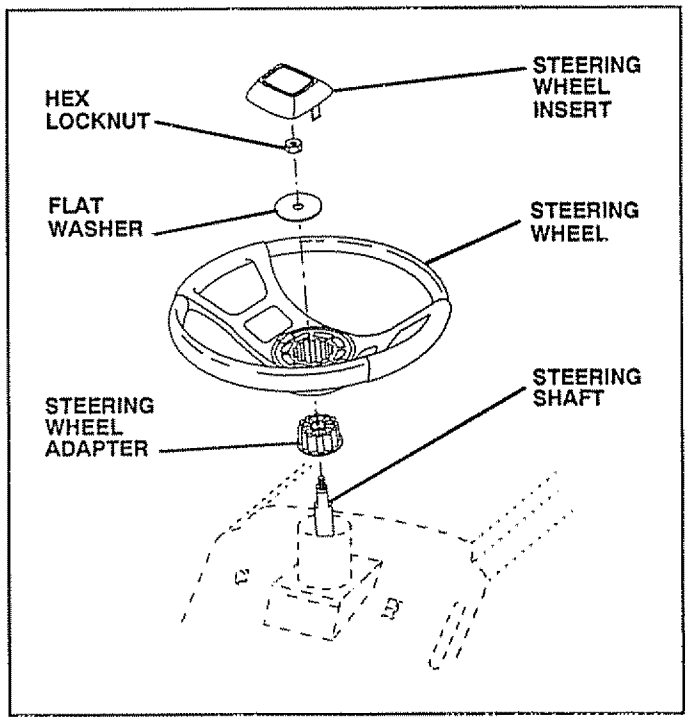


FIG. 1

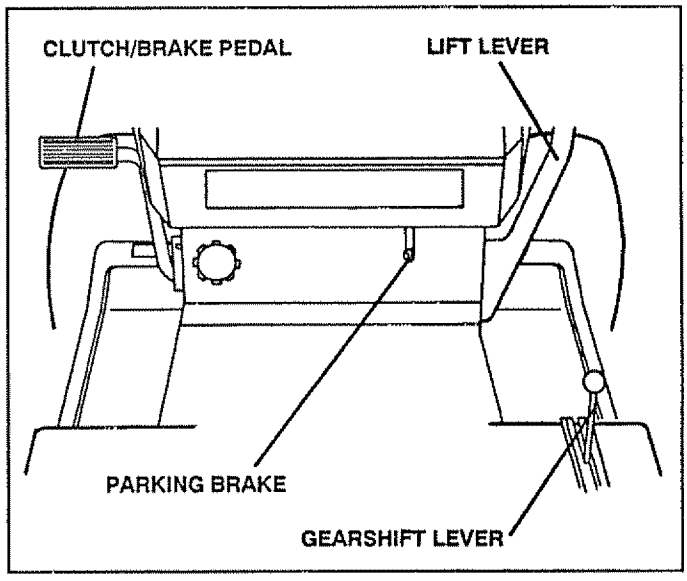


FIG. 2

ASSEMBLY

HOW TO SET UP YOUR TRACTOR

PREPARE BATTERY (See Fig. 3)

CAUTION: Wear eye and face shield.

Wash hands or clothing immediately if accidentally in contact with battery acid.

Do not smoke. Fumes from charged battery acid are explosive.

Read the instructions included with the battery vent caps. Always wear gloves, clothing and goggles to protect your hands, skin and eyes.

Your unit has a battery charging system which is sufficient for normal use. However, periodic charging of the battery with an automotive charger will extend its life.

- See instructions packed with vent caps in parts bag.
- Fill battery with acid. Fill each cell until it reaches the bottom of the vent wells. Do not overfill.
- Allow battery to stand and settle for at least thirty minutes. After standing, check the level of acid. If below the vent wells, add more acid until the correct level is reached.

While battery is standing (after adding acid) and later, while battery is being charged, continue with assembly of unit.

IMPORTANT: TO MAXIMIZE THE LIFE OF YOUR BATTERY, IT IS NECESSARY THAT THE BATTERY BE CHARGED BEFORE USE. FAILURE TO CHARGE BATTERY CAN RESULT IN A SHORTENED BATTERY LIFE.

- Charge battery at a rate of 6 amperes for 1 hour. Use a 12 volt battery charger. Observe all safety precautions required for battery charging.
- Check the acid level after the battery is charged. If the acid has fallen below the correct level, add distilled or iron free water.
- Install the vent caps to cover the vent wells. Wash the top of the battery with water to remove any acid, then wipe dry.
- Check battery case for leakage to make sure that no damage has occurred in handling.
- Dispose of excess battery acid. Neutralize acid for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.
- Follow instructions on how to install battery.

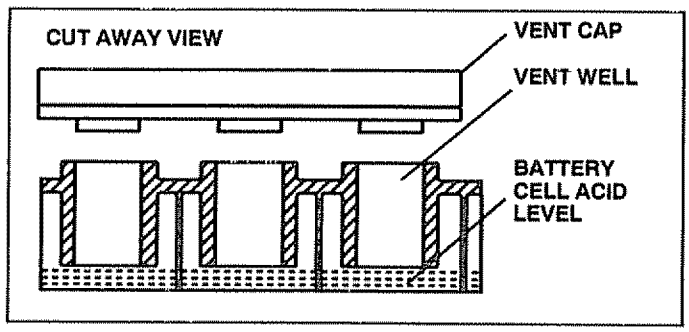


FIG. 3

INSTALL SEAT (See Fig. 4)

Adjust seat before tightening adjustment knob.

- Remove cardboard packing on seat pan.
- Place seat on pan and assemble shoulder bolt.
- Assemble adjustment knob and flat washer loosely. Do not tighten.
- Tighten shoulder bolt securely.
- Lower seat into operating position and sit on seat.
- Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down.
- Get off seat without moving its adjusted position.
- Raise seat and tighten adjustment knob securely.

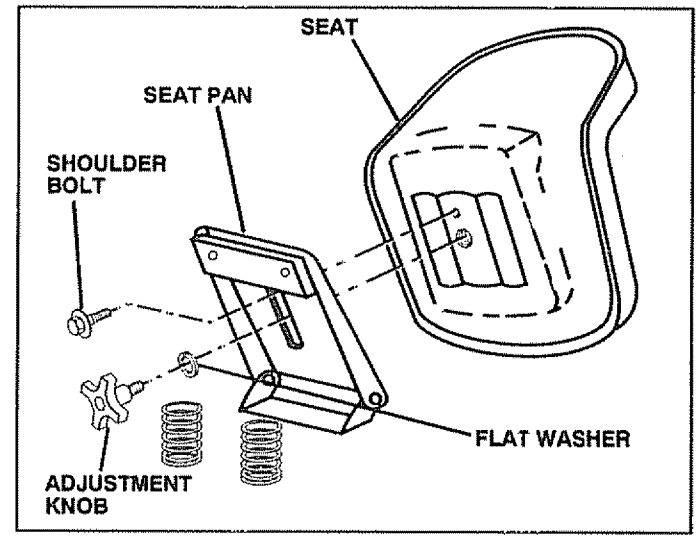


FIG. 4

CHECK TIRE PRESSURE

The tires on your unit were overinflated at the factory for shipping purposes. Correct tire pressure is important for best cutting performance.

- Reduce tire pressure to PSI shown in "PRODUCT SPECIFICATIONS" on page 3 of this manual.

CHECK DECK LEVELNESS

For best cutting results, mower housing should be properly leveled. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.

CHECK FOR PROPER POSITION OF ALL BELTS

See the figures that are shown for replacing motion, mower drive, and mower blade drive belts in the Service and Adjustments section of this manual. Verify that the belts are routed correctly.

CHECK BRAKE SYSTEM

After you learn how to operate your tractor, check to see that the brake is properly adjusted. See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual.

INSTALL BATTERY (See Figs. 5 and 6)

CAUTION: Do not short battery terminals. Before installing battery, remove metal bracelets, wristwatch bands, rings, etc.

Positive terminal must be connected first to prevent sparking from accidental grounding.

- Raise hood.
- Make sure drain tube is fastened to drain hole in battery tray and battery tray is positioned in hole of battery support.
- Place battery in plastic tray, battery terminals to front of tractor.
- First connect RED battery cable to positive (+) battery terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.
- Slide the two battery bolts through the terminal guard and start the wing nuts onto the threads.
- Position terminal guard over the battery as shown, lower bolts into key holes and slide square shafts of bolts into slots of key holes.
- Tighten wing nuts by hand making sure battery bolts remain in slots of the key holes in the battery support.
- Be sure terminal access doors are closed.

Use terminal access doors for:

- Inspection for secure connections (to tighten hardware).
- Inspection for corrosion.
- Testing battery.
- Jumping (if required).
- Periodic charging.

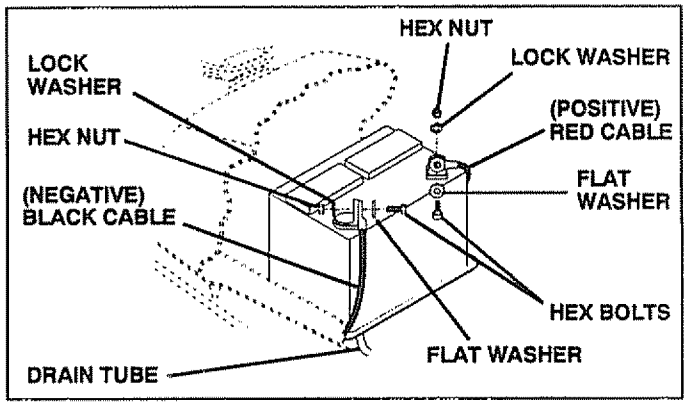


FIG. 5

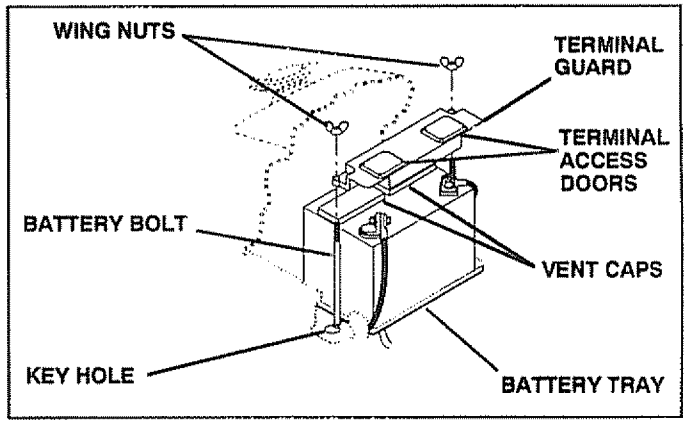


FIG. 6

ASSEMBLY

INSTALL MULCHER PLATE (See Figs. 7 & 8)

- Install two latch hook assemblies to mulcher plate using screw, washer, lock washer, and weld nut as shown.
- Tighten hardware securely.
- Raise and hold deflector shield in upright position.
- Place front of mulcher plate over front of mower deck opening and slide into place, as shown.
- Hook front latch into tab hole on front of mower deck.
- Hook rear latch into tab hole on back of mower deck.

CAUTION: Do not remove discharge guard from mower. Raise and hold guard when attaching mulcher plate and allow it to rest on plate while in operation.

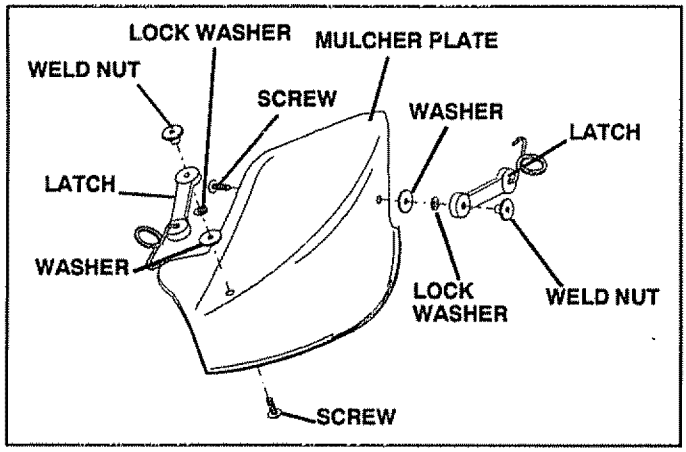


FIG. 7

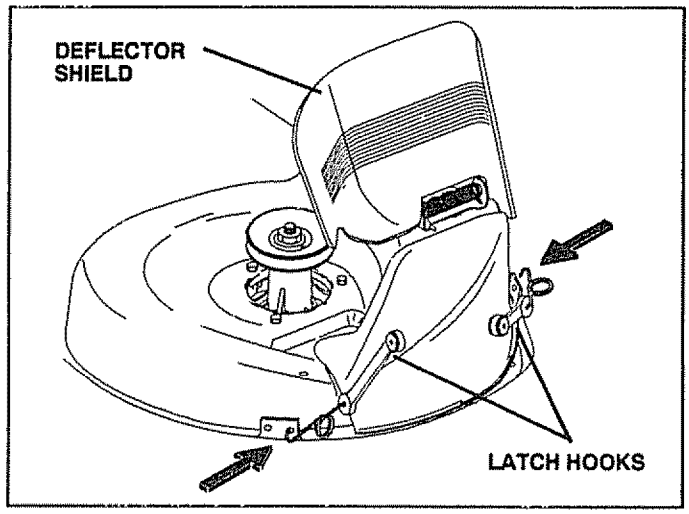


FIG. 8

TO CONVERT TO BAGGING OR DISCHARGING

Simply remove mulcher plate and store in a safe place. Your mower is now ready for discharging or installation of optional grass catcher accessory.

✓CHECKLIST

BEFORE YOU OPERATE AND ENJOY YOUR NEW TRACTOR, WE WISH TO ASSURE THAT YOU RECEIVE THE BEST PERFORMANCE AND SATISFACTION FROM THIS QUALITY PRODUCT.

PLEASE REVIEW THE FOLLOWING CHECKLIST:

- ✓ All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- ✓ Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were over-inflated at the factory).
- ✓ Be sure mower deck is properly leveled side-to-side/ front-to-rear for best cutting results. (Tires must be properly inflated for leveling).
- ✓ Check mower and drive belts. Be sure they are routed properly around pulleys and inside all belt keepers.
- ✓ Check wiring. See that all connections are still secure and wires are properly clamped.

WHILE LEARNING HOW TO USE YOUR TRACTOR, PAY EXTRA ATTENTION TO THE FOLLOWING IMPORTANT ITEMS:

- ✓ Engine oil is at proper level.
- ✓ Fuel tank is filled with fresh, clean, regular unleaded gasoline.
- ✓ Become familiar with all controls - their location and function. Operate them before you start the engine.
- ✓ Be sure brake system is in safe operating condition.

OPERATION

KNOW YOUR TRACTOR

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR TRACTOR.

Compare the illustrations with your tractor to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.

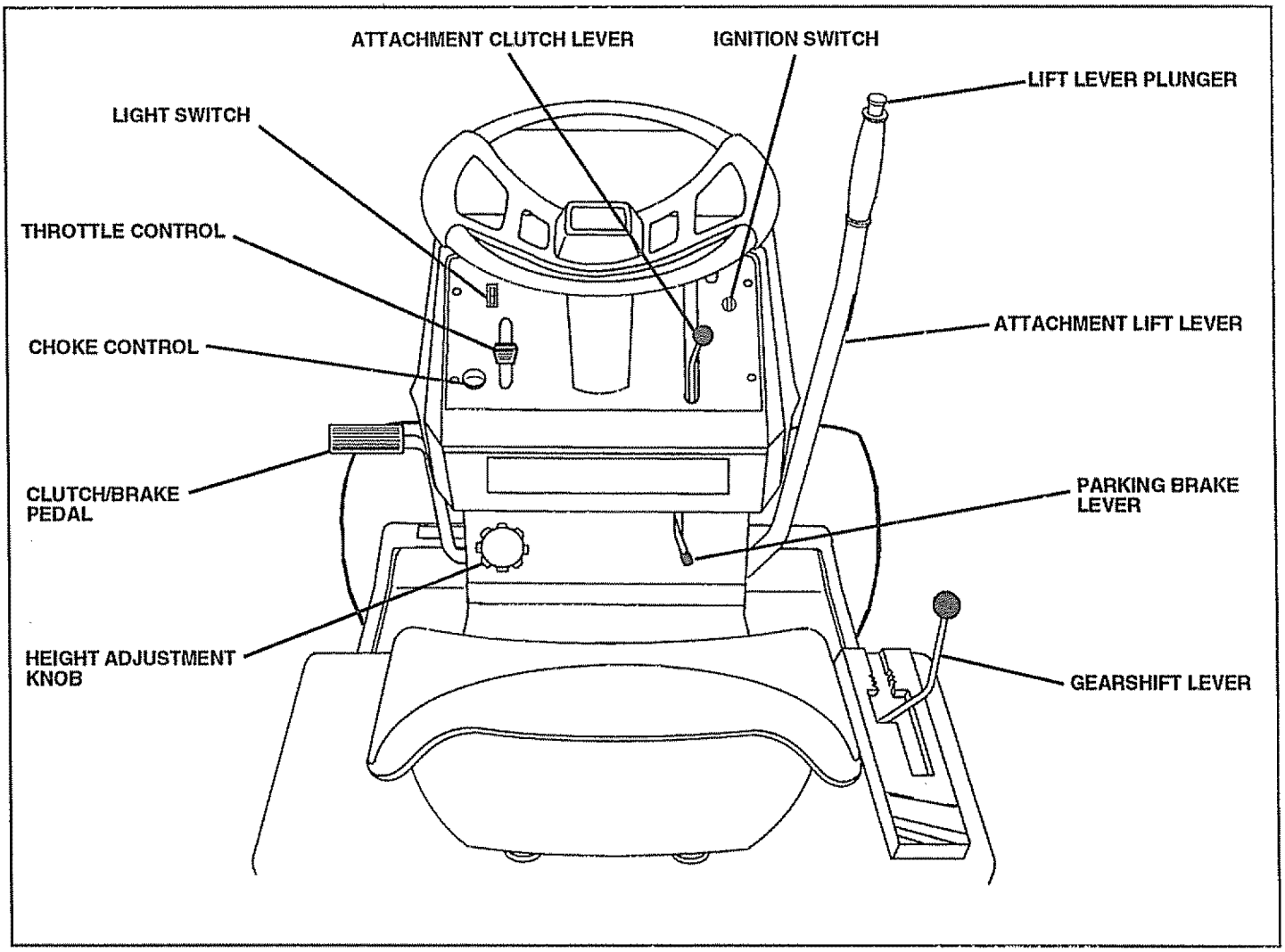


FIG. 9

Sears tractors conform to the safety standards of the American National Standards Institute.

ATTACHMENT CLUTCH LEVER - Used to engage mower blades or other attachments mounted to your tractor.
ATTACHMENT LIFT LEVER - Used to raise and lower mower deck or other attachments mounted to your tractor.
CLUTCH/BRAKE PEDAL - Used for declutching and braking the tractor and starting the engine.
HEIGHT ADJUSTMENT KNOB - Used to adjust the mower height.
LIGHT SWITCH - Turns the headlights on and off.
GEARSHIFT LEVER - Selects the speed and direction of the tractor.
IGNITION SWITCH - Used to start and stop the engine.
PARKING BRAKE LEVER - Locks clutch/brake pedal into the brake position.
THROTTLE CONTROL - Used to control engine speed.
CHOKE CONTROL - Used when starting a cold engine.
LIFT LEVER PLUNGER - Used to release attachment lift lever when changing its position.

OPERATION

The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields before starting your tractor and while moving. We recommend Wide Vision Safety Mask for over the spectacles or standard safety glasses.

HOW TO USE YOUR TRACTOR

TO SET PARKING BRAKE (See Fig. 10)

- Depress clutch/brake pedal into full "BRAKE" position and hold.
- Place parking brake lever in "ENGAGED" position and release pressure from clutch/brake pedal. Pedal should remain in "BRAKE" position. Make sure parking brake will hold vehicle secure.

STOPPING (See Fig. 10)

MOWER BLADES -

- Move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

- Depress clutch/brake pedal into full "BRAKE" position.
- Move gearshift lever to "NEUTRAL" position.

ENGINE -

- Move throttle control to "SLOW" position.

NOTE: Failure to move throttle control to "SLOW" position and allowing engine to idle before stopping may cause engine to "backfire".

- Turn ignition key to "OFF" position and remove key. Always remove key when leaving vehicle to prevent unauthorized use.
- Never use choke to stop engine.

NOTE: Under certain conditions when unit is standing idle with the engine running, hot engine exhaust gasses may cause "browning" of grass. To eliminate this possibility, always stop engine when stopping unit on grass areas.

CAUTION: Always stop unit completely, as described above, before leaving the operator's position; to empty grass catcher, etc.

TO USE CHOKE CONTROL (See Fig. 10)

Use choke control whenever you are starting a cold engine. Do not use to start a warm engine.

- To engage choke control, pull knob out. Slowly push knob in to disengage.

TO USE THROTTLE CONTROL (See Fig. 10)

Always operate engine at full throttle.

- Operating engine at less than full throttle reduces the battery charging rate.
- Full throttle offers the best bagging mower performance.

TO MOVE FORWARD AND BACKWARD (See Fig. 10)

The direction and speed of movement is controlled by the gearshift lever.

- Start tractor with clutch/brake pedal depressed and gearshift lever in "NEUTRAL" position.
- Move gearshift lever to desired position.
- Slowly release clutch/brake pedal to start movement.

IMPORTANT: BRING TRACTOR TO A COMPLETE STOP BEFORE SHIFTING OR CHANGING GEARS. FAILURE TO DO SO WILL SHORTEN THE USEFUL LIFE OF YOUR TRANSAXLE.

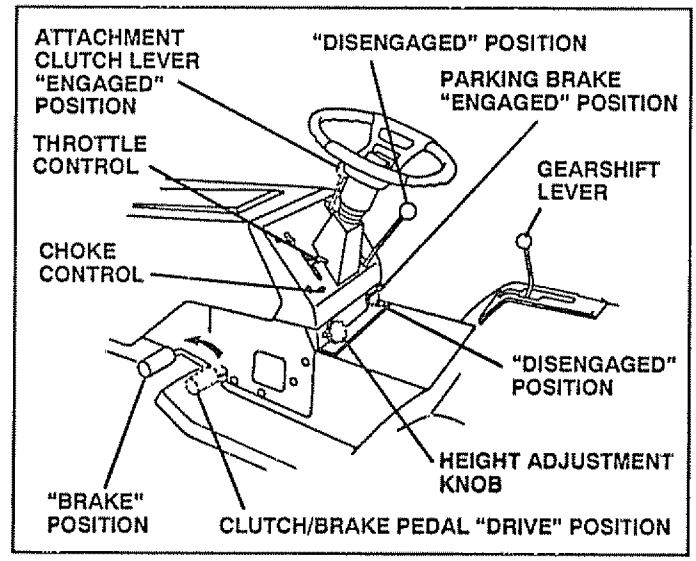


FIG. 10

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 10)

The cutting height is controlled by turning the height adjustment knob in desired direction.

- Turn knob clockwise to raise cutting height.
- Turn knob counterclockwise to lower cutting height.

The cutting height range is approximately 1-1/4" to 3-3/4". The heights are measured from the ground to the blade tip with the engine not running. These heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed.

- The average lawn should be cut to approximately 2-1/2 inches during the cool season and to over 3 inches during hot months. For healthier and better looking lawns, mow often and after moderate growth.
- For best cutting performance, grass over 6 inches in height should be mowed twice. Make the first cut relatively high; the second to desired height.

OPERATION

TO OPERATE MOWER (See Fig. 9)

Your unit is equipped with an operator presence sensing switch. Any attempt by the operator to leave the seat with the engine running and the mower clutch engaged will shut off the engine.

- Select desired height of cut, using height adjustment knob.
- Lower mower with lift lever.
- Engage mower by slowly moving mower clutch lever to "ENGAGED" position.
- TO STOP MOWER - Move mower clutch lever to "DISENGAGED" position.

CAUTION: Do not operate the mower without either the entire grass catcher, on mowers so equipped, or the discharge guard in place.

TO OPERATE ON HILLS

CAUTION: Do not drive up or down hills with slopes greater than 15° and do not drive across any slope.

- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills.
- If slowing is necessary, move throttle control lever to slower position.
- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.
- Move gearshift lever to "NEUTRAL" position.
- To restart movement, move gearshift lever to 1st gear. Be sure you have allowed room for unit to roll slightly as you restart movement.
- Slowly release parking brake and clutch/brake pedal.
- Make all turns slowly.

TO TRANSPORT

- Raise attachment lift control to highest position.
- When pushing or towing your unit, be sure gearshift lever is in "NEUTRAL" position.
- Do not push unit at more than five (5) MPH.

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL

- The engine in your unit has been shipped, from the factory, already filled with summer weight oil.
- Check engine oil with unit on level ground.
- Unthread and remove the oil fill cap/dipstick; wipe oil off. Reinsert the dipstick into the tube and rest the oil fill cap on the tube. Do not thread the cap onto the tube. Remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill.
- For cold weather operation you should change oil for easier starting (see "OIL VISCOSITY CHART" in the Customer Responsibilities section of this manual).
- To change engine oil, see the Customer Responsibilities section in this manual.

ADD GASOLINE

- Fill fuel tank. Use fresh, clean, regular unleaded gasoline. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life).

IMPORTANT: WHEN OPERATING IN TEMPERATURES BELOW 32°F(0°C), USE FRESH, CLEAN WINTER GRADE GASOLINE TO HELP INSURE GOOD COLD WEATHER STARTING.

WARNING: Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

CAUTION: Fill to bottom of gas tank filler neck. Do not overfill. Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.

OPERATION

TO START ENGINE (See Fig. 10)

When starting engine for the first time or if engine has run out of fuel, it will take extra cranking time to move fuel from the tank to the engine.

- Depress the clutch/brake pedal and set the parking brake.
- Place gearshift lever in "NEUTRAL" position.
- Move attachment clutch to "DISENGAGED" position.
- Pull choke control out to "CHOKE" position for cold engine start. For warm engine start do not use choke control.
- Move throttle control to midway between "FAST" and "SLOW" positions.
- Turn ignition key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If engine does not start after several attempts, move throttle control to "FAST" position, wait a few minutes and try again.
- When engine starts, slowly push choke control in.
- Move throttle control to "FAST" position.
- Allow engine to warm up for a few minutes before engaging clutch/brake pedal or attachment clutch lever.

NOTE: If at a high altitude (above 3000 feet) or in cold temperatures (below 32° F), the carburetor fuel mixture may need to be adjusted for best engine performance. See "TO ADJUST CARBURETOR" in the Service and Adjustments section of this manual.

MOWING TIPS

- Tire chains cannot be used when the mower housing is attached to unit.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished (See Fig. 11).

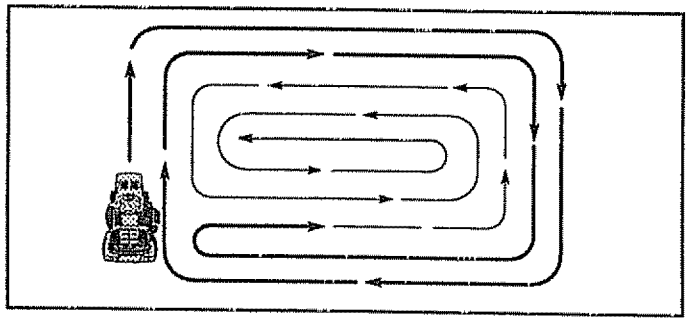


FIG. 11

- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.
- Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material. Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.

MULCHING MOWING TIPS

IMPORTANT: FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. CLEAN AFTER EACH USE.

- The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades.
- Avoid cutting your lawn when it is wet. Wet grass tends to form clumps and interferes with the mulching action. The best time to mow your lawn is the early afternoon. At this time the grass has dried and the newly cut area will not be exposed to the direct sun.
- For best results, adjust the mower cutting height so that the mower cuts off only the top one-third of the grass blades (See Fig. 12). For extremely heavy mulching, reduce your width of cut and mow slowly.
- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.

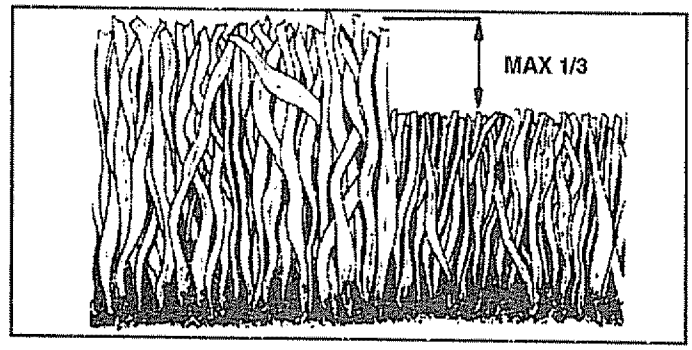


FIG. 12

CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE FILL IN DATES AS YOU COMPLETE REGULAR SERVICE		BEFORE EACH USE	FIRST 2 HOURS	EVERY 8 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY SEASON	BEFORE STORAGE	SERVICE DATES				
TRACTOR	Check Brake Operation	✓		✓										
	Check Tire Pressure	✓		✓										
	Check for Loose Fasteners	✓						✓						
	Sharpen/Replace Mower Blades				✓4									
	Lubrication Chart				✓			✓						
	Check Battery Level/Recharge				✓									
	Clean Battery and Terminals				✓			✓						
	Check Transmission Cooling				✓									
	Adjust Blade Belt(s) Tension						✓5							
	Adjust Motion Drive Belt(s) Tension						✓5							
ENGINE	Check Engine Oil Level	✓		✓										
	Change Engine Oil		✓		✓1,2,3			✓						
	Clean Air Filter				✓2									
	Clean Air Screen				✓2									
	Inspect Muffler/Spark Arrester					✓								
	Replace Oil Filter (If equipped)						✓1,2							
	Clean Engine Cooling Fins						✓2							
	Replace Spark Plug						✓	✓						
	Replace Air Filter Paper Cartridge						✓2							
	Replace Fuel Filter							✓						

1 - Change more often when operating under a heavy load or in high ambient temperatures
2 - Service more often when operating in dirty or dusty conditions
3 - If equipped with oil filter, change oil every 50 hours
4 - Replace blades more often when mowing in sandy soil
5 - If equipped with adjustable system

GENERAL RECOMMENDATIONS

The warranty on this vehicle does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain unit as instructed in this manual.

Some adjustments will need to be made periodically to properly maintain your unit.

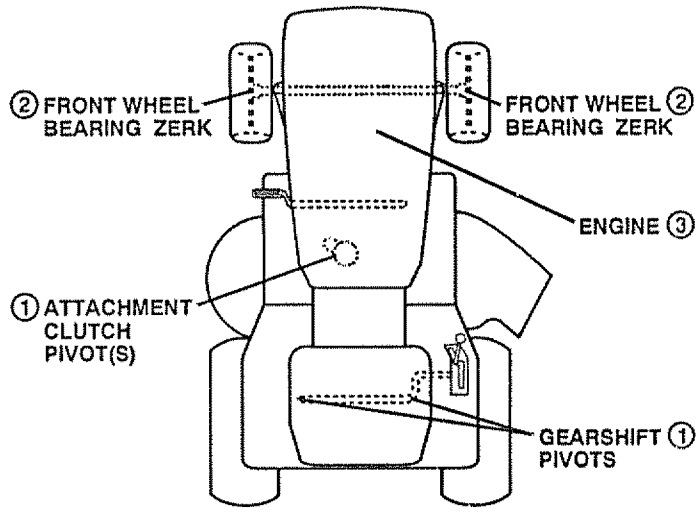
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

- Once a year you should replace the spark plug, clean or replace air filter, and check blades and belts for wear. A new spark plug and clean air filter assure proper air-fuel mixture and help your engine run better and last longer.

BEFORE EACH USE

- Check engine oil level.
- Check brake operation.
- Check tire pressure.
- Check for loose fasteners.

LUBRICATION CHART



① SAE 30 OR 10W30 MOTOR OIL API - SG
② GENERAL PURPOSE GREASE
③ REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION

IMPORTANT: DO NOT OIL OR GREASE THE PIVOT POINTS WHICH HAVE SPECIAL NYLON BEARINGS. VISCOUS LUBRICANTS WILL ATTRACT DUST AND DIRT THAT WILL SHORTEN THE LIFE OF THE SELF-LUBRICATING BEARINGS. IF YOU FEEL THEY MUST BE LUBRICATED, USE ONLY A DRY, POWDERED GRAPHITE TYPE LUBRICANT SPARINGLY.

CUSTOMER RESPONSIBILITIES

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

If unit requires more than six (6) feet stopping distance at high speed in highest gear, than brake must be adjusted. (See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual).

TIRES

- Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" on page 3 of this manual).
- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

BLADE CARE

For best results mower blades must be kept sharp. The blades can be sharpened with a file or on a grinding wheel. We suggest they be sharpened or replaced after every 25 hours of mowing. Check blades more often if mowing in sandy conditions.

- Do not attempt to sharpen blades while they are on the mower.
- Replace bent or damaged blades.

BLADE REMOVAL (See Fig. 13)

- Raise mower to highest position to allow access to blades.
- Remove hex bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.
- Reassemble hex bolt, lock washer and flat washer in exact order as shown.
- Tighten bolt securely (30-35 Ft. Lbs. torque).

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.

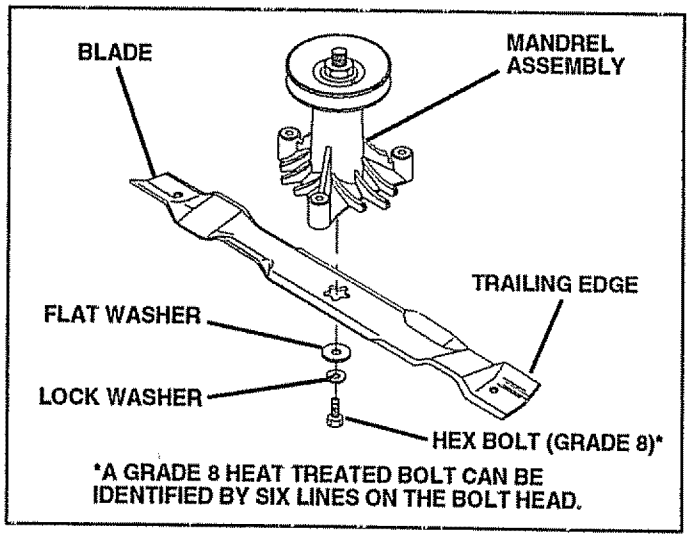

BLADE
MANDREL ASSEMBLY
TRAILING EDGE
FLAT WASHER
LOCK WASHER
HEX BOLT (GRADE 8)*
*A GRADE 8 HEAT TREATED BOLT CAN BE IDENTIFIED BY SIX LINES ON THE BOLT HEAD.

FIG. 13

TO SHARPEN BLADE (See Fig. 14)

Care should be taken to keep the blade balanced. An unbalanced blade will cause excessive vibration and eventual damage to mower and engine.

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer).
- Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.

NOTE: Do not use a nail for balancing blade. The lobes of the center hole may appear to be centered, but are not.

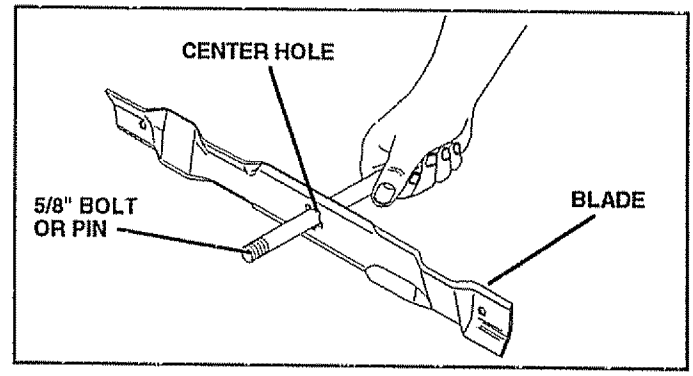


FIG. 14

BATTERY (See Fig. 15)

Your unit has a battery charging system which is sufficient for normal use. However, periodic charging of the battery with an automotive charger will extend it's life.

- Acid solution level in each battery cell should be even with bottoms of vent wells. Add only distilled or iron free water if necessary. Do not overfill.
- Keep battery and terminals clean.
- Keep battery bolts tight.
- Keep vent caps tight and small vent holes in caps open.
- Recharge at 6 amperes for 1 hour.

TO CLEAN BATTERY AND TERMINALS -

Corrosion and dirt on the battery and terminals can cause the battery to "leak" power.

- Remove terminal guard.
- Disconnect BLACK battery cable first, then RED battery cable and remove battery from tractor.
- Wash battery with solution of four tablespoons of baking soda to one gallon of water. Be careful not to get the soda solution into the cells.
- Rinse the battery with plain water and dry.
- Clean terminals and battery cable ends with wire brush until bright.
- Coat terminals with grease or petroleum jelly.
- Reinstall battery (See "INSTALL BATTERY" in the Assembly section of this manual).

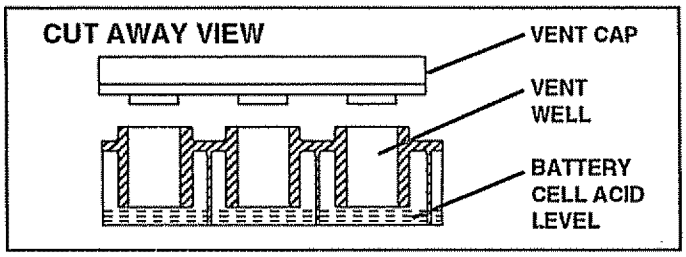


FIG. 15

V-BELTS

Check V-belts for deterioration and wear after 100 hours and replace if necessary. The belts are not adjustable. Replace belts if they begin to slip from wear.

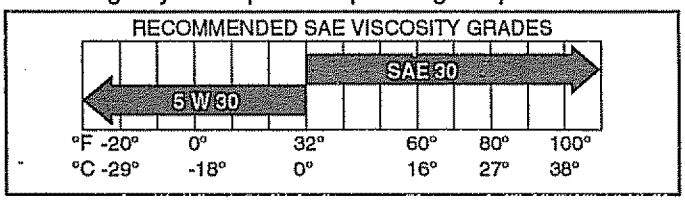
TRANSAXLE COOLING

Keep transaxle free from build-up of dirt and chaff which can restrict cooling.

ENGINE

LUBRICATION

Only use high quality detergent oil rated with API service classification SG. Select the oil's SAE viscosity grade according to your expected operating temperature.



NOTE: Although multi-viscosity oils (5W30, 10W30 etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level more frequently to avoid possible engine damage from running low on oil.

Change the oil after the first two hours of operation and every 50 hours thereafter or at least once a year if the tractor is not used for 50 hours in one year.

Check the crankcase oil level before starting the engine and after each eight (5) hours of continuous use. Tighten oil fill cap/dipstick securely each time you check the oil level.

TO CHANGE ENGINE OIL -

- Be sure vehicle is on level surface.
- Oil will drain more freely when warm.
- Catch oil in a suitable container.
- Remove oil fill dipstick. Be careful not to allow dirt to enter the engine when changing oil.
- Remove drain plug.
- After oil has drained completely, replace oil drain plug and tighten securely.
- Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. For approximate capacity see "PRODUCT SPECIFICATIONS" on page 3 of this manual.
- Use gauge on oil fill dipstick for checking level. Do not thread the cap onto the tube when taking reading. Keep oil at "FULL" line on dipstick. Tighten cap onto the tube securely when finished.

AIR FILTER FOAM PRE-CLEANER (See Fig. 16)

Your engine will not run properly and may be damaged by using a dirty air filter. Clean the foam pre-cleaner element after every 25 hours of operation, more often if tractor is used in very dusty, dirty conditions.

- Remove knob and cover.
- Remove foam pre-cleaner element by sliding it off of the paper cartridge.

NOTE: Do not attempt to clean or oil the paper cartridge. Replace paper cartridge once a year or after every 100 hours of operation; more often if used in very dusty or dirty conditions.

- Wash foam pre-cleaner in liquid detergent and water.
- Wrap foam pre-cleaner in cloth and squeeze dry.
- Lightly coat foam pre-cleaner with clean engine oil. Squeeze in towel to remove excess oil. Do not saturate.
- Install foam pre-cleaner over paper cartridge.
- Reassemble cover and tighten knob securely.

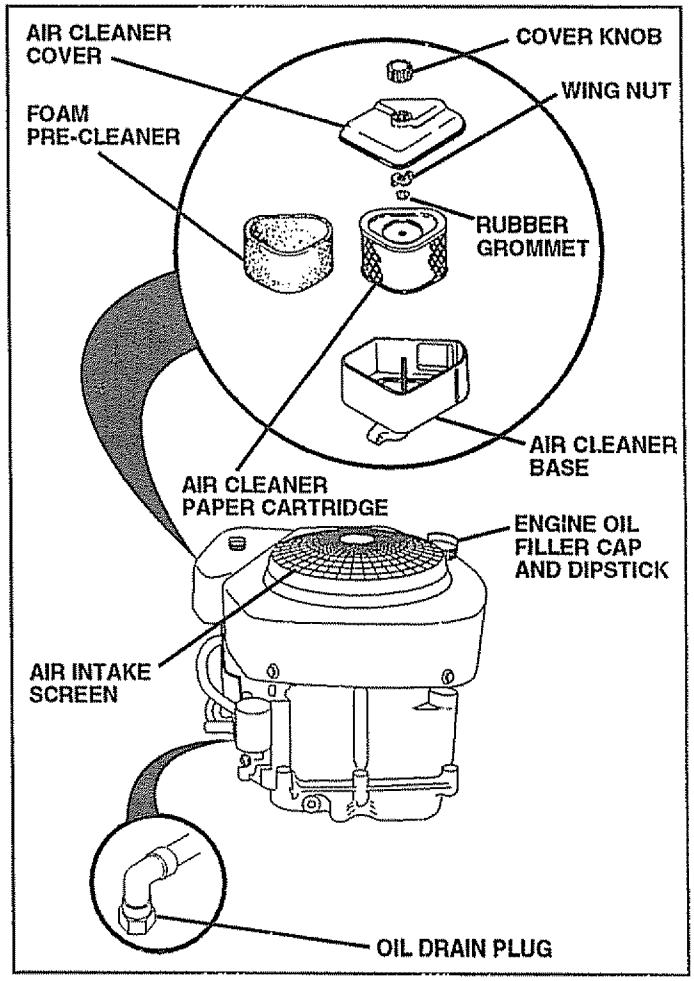


FIG. 16

CUSTOMER RESPONSIBILITIES

CLEAN AIR INTAKE/COOLING AREAS

To insure proper cooling, make sure the air intake screen, cooling fins, and other external surfaces of the engine are kept clean at all times.

Every 100 hours of operation (more often under extremely dusty, dirty conditions), remove the blower housing and other cooling shrouds. Clean the cooling fins and external surfaces as necessary. Make sure the cooling shrouds are reinstalled.

NOTE: Operating the engine with a blocked air intake screen, dirty or plugged cooling fins, and/or cooling shrouds removed, will cause engine damage due to overheating.

ENGINE OIL FILTER (See Fig. 17)

Replace the engine oil filter every season or every other oil change if the tractor is used more than 100 hours in one year.

- Drain oil from engine crankcase (See "TO CHANGE ENGINE OIL" through step remove drain plug).
- Remove oil filter drain plug located at base of oil filter adapter. Allow oil filter to drain.
- Remove oil filter and wipe off filter adapter. Reinstall oil filter drain plug.
- Apply a thin coating of new engine oil to the rubber gasket on replacement oil filter.
- Install replacement oil filter on filter adapter. Turn oil filter clockwise until rubber gasket contacts the filter adapter, then tighten filter an additional 1/2 turn.
- Fill crankcase with new oil (See "TO CHANGE ENGINE OIL" in this section of this manual). For approximate capacity see "PRODUCT SPECIFICATIONS" on page 3 of this manual.
- Start the engine and check for oil leaks. Correct any leaks before placing engine into full operation.

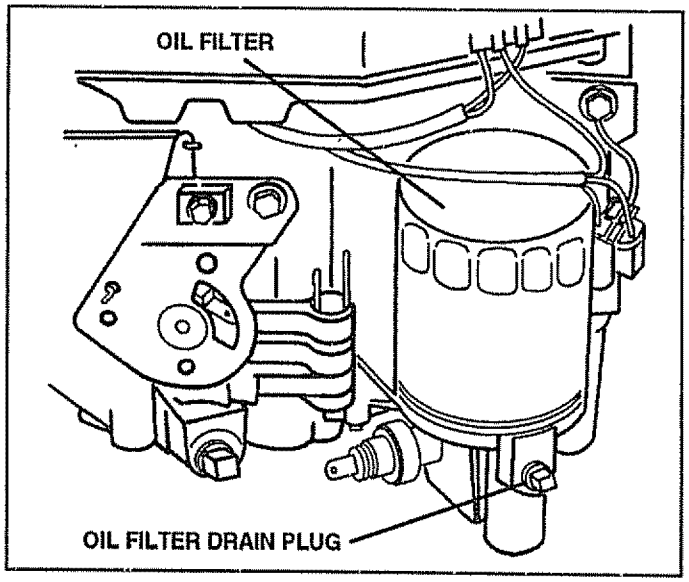


FIG. 17

MUFFLER

Inspect and replace corroded muffler and spark arrester (if equipped) as it could create a fire hazard and/or damage.

SPARK PLUGS

Replace spark plugs at the beginning of each mowing season or after every 100 hours of use, whichever comes first. Spark plug type and gap setting are shown in "PRODUCT SPECIFICATIONS" on page 3 of this manual.

IN-LINE FUEL FILTER (See Fig. 18)

Fuel filter should be replaced once each season. If fuel filter becomes clogged, obstructing fuel flow to carburetor, replacement is required.

- With engine cool, remove filter and plug fuel line sections.
- Place new fuel filter in position in fuel line with arrow toward carburetor.
- Be sure there are no fuel line leaks and clamps are properly positioned.
- Immediately wipe up any spilled gasoline.

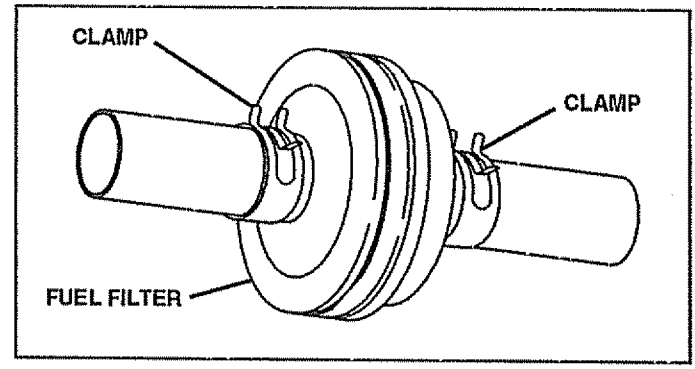


FIG. 18

CLEANING

IMPORTANT: FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILD-UP, GRASS AND TRASH. CLEAN UNDERSIDE OF MOWER HOUSING AFTER EACH USE.

- Clean engine, battery, seat, finish, etc. of all foreign matter.
- Keep finished surfaces and wheels free of all gasoline, oil, etc.
- Protect painted surfaces with automotive type wax.

We do not recommend using a garden hose to clean your unit unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in a shortened engine life.

SERVICE AND ADJUSTMENTS

CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

- Depress clutch/brake pedal fully and set parking brake.
- Place gearshift lever in "NEUTRAL" position.
- Place attachment clutch in "DISENGAGED" position.
- Turn ignition key "OFF" and remove key.
- Make sure the blades and all moving parts have completely stopped.
- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TRACTOR

TO REMOVE MOWER (See Fig. 17)

Mower will be easier to remove from the right side of unit.

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Disconnect clutch rod from clutch lever by removing retainer spring.
- Disconnect suspension arms from rear deck brackets by removing retainer springs.
- Disconnect front links from deck by removing retainer springs.
- Raise lift lever to raise suspension arms. Slide mower out from under tractor.

IMPORTANT: IF AN ATTACHMENT OTHER THAN THE MOWER IS TO BE MOUNTED TO THE TRACTOR, BOTH SUSPENSION ARMS MUST BE REMOVED FROM TRACTOR.

TO INSTALL MOWER (See Fig. 17)

- Raise attachment lift lever to its highest position.
- Slide mower under tractor with discharge guard to right side of tractor.
- Lower lift lever to its lowest position.
- Install mower in reverse order of removal instructions.

NOTE: The mower clutch rod has a trunnion that has been preset, at the factory, for optimum mower performance. DO NOT MOVE THE TRUNNION ON THE CLUTCH ROD. If for any reason the trunnion has been moved on the clutch rod, it must be reset to correct position (parallel with clutch rod) and measure 10-11/32" (Check dimension on edge of flat work surface as shown).

Be sure to tighten trunnion nut securely against trunnion after making any adjustments.

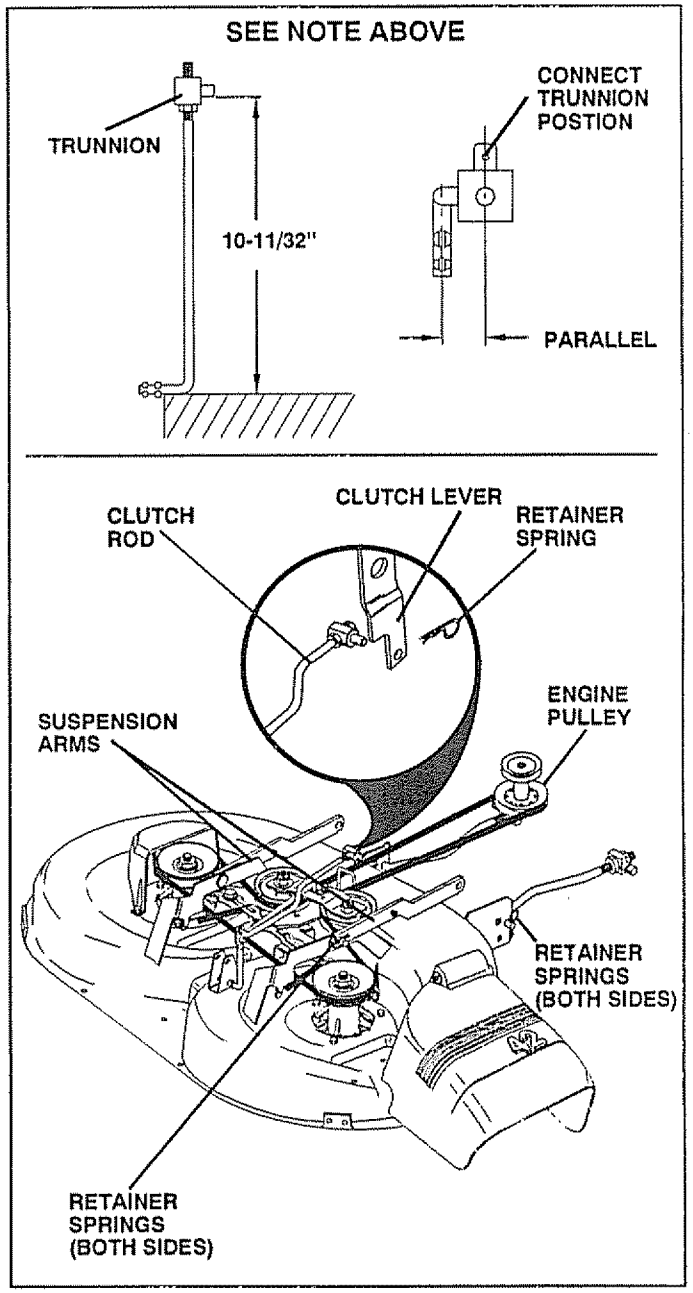


FIG. 19

TO LEVEL MOWER HOUSING

Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PRODUCT SPECIFICATIONS" on page 3). If tires are over or under inflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT (See Figs. 20 and 21) -

You will need two (2) standard 2 x 4 short pieces of wood to make the following adjustment. Similar blocks measuring 1-1/2" thick may also be used.

- Raise mower with attachment lift control to allow two (2) 1-1/2" thick blocks to be placed under rear edge of mower directly behind mandrels.
- Lower mower deck to its lowest height of cut position (See "TO ADJUST MOWER CUTTING HEIGHT" in the Operation section of this manual).
- On both sides of tractor, loosen, but do not remove, the fasteners securing the adjustable pivot brackets to frame. Both brackets must be loose enough to move freely.
- Pull down firmly on suspension arm to remove any slack in pivot bracket and hold while tightening rear fastener first to secure. Tighten remaining fastener.
- Repeat procedure on other side of tractor.
- Raise mower with attachment lift control and remove blocks from under mower.

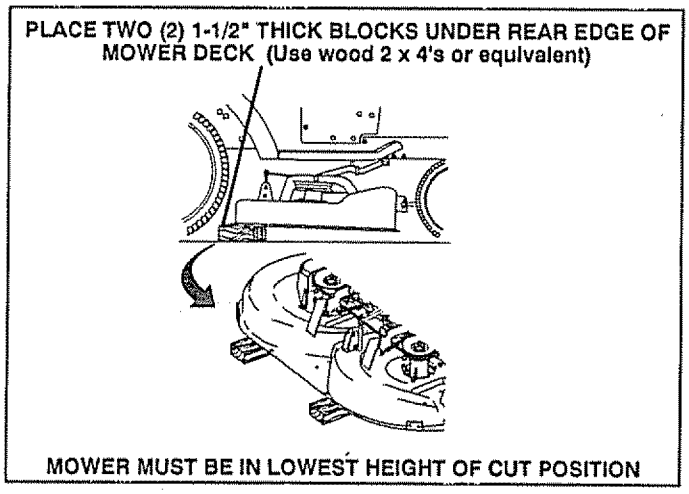

PLACE TWO (2) 1-1/2" THICK BLOCKS UNDER REAR EDGE OF MOWER DECK (Use wood 2 x 4's or equivalent)
MOWER MUST BE IN LOWEST HEIGHT OF CUT POSITION

FIG. 20

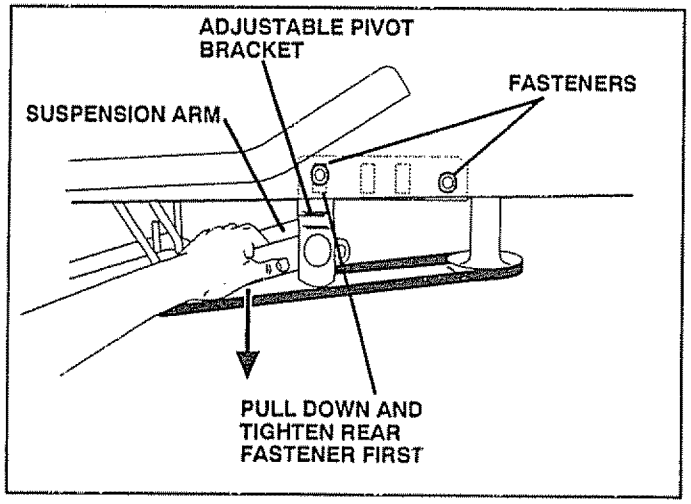


FIG. 21

FRONT-TO-BACK ADJUSTMENT (See Figs. 22 and 23) -

IMPORTANT: DECK MUST BE LEVEL SIDE-TO-SIDE. IF THE FOLLOWING FRONT-TO-BACK ADJUSTMENT IS NECESSARY, BE SURE TO ADJUST BOTH FRONT LINKS EQUALLY SO MOWER WILL STAY LEVEL SIDE-TO-SIDE.

To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/4" to 3/4" lower than the rear when the mower is in its highest position.

Check adjustment on right side of tractor. Measure distance "D" directly in front and behind the mandrel at bottom edge of mower housing as shown.

- Before making any necessary adjustments, check that both front links are equal in length. Both links should be approximately 10-3/8".
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nuts "F" against trunnion on both front links.
- To raise front of mower, loosen nut "F" from trunnion on both front links. Tighten nut "E" on both front links an equal number of turns
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nut "F" against trunnion on both front links.
- Recheck side-to-side adjustment.

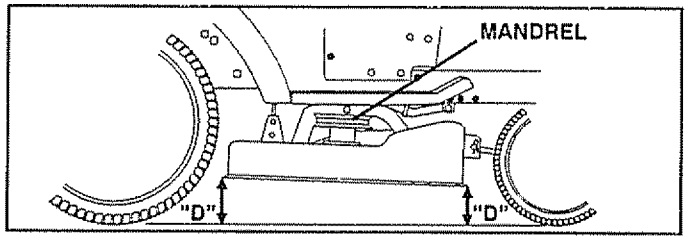


FIG. 22

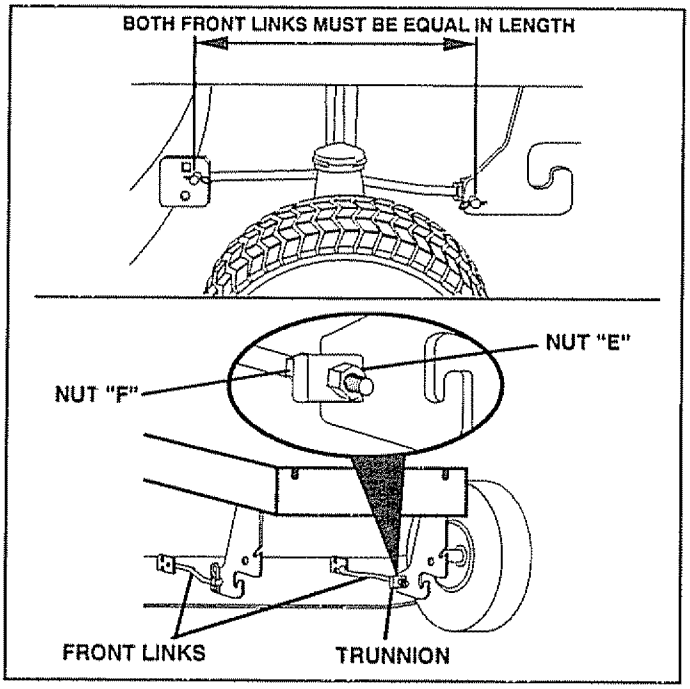


FIG. 23

TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 24)

The mower blade drive belt may be replaced without tools. Park the tractor on level surface. Engage parking brake. For assistance, there is a belt installation guide decal on the mower housing.

BELT REMOVAL -

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Work belt off both mandrel pulleys and idler pulleys.
- Pull belt away from mower.

BELT INSTALLATION -

- Install new belt in reverse order of removal.
- Make sure belt is in all pulley grooves and inside all belt guides.

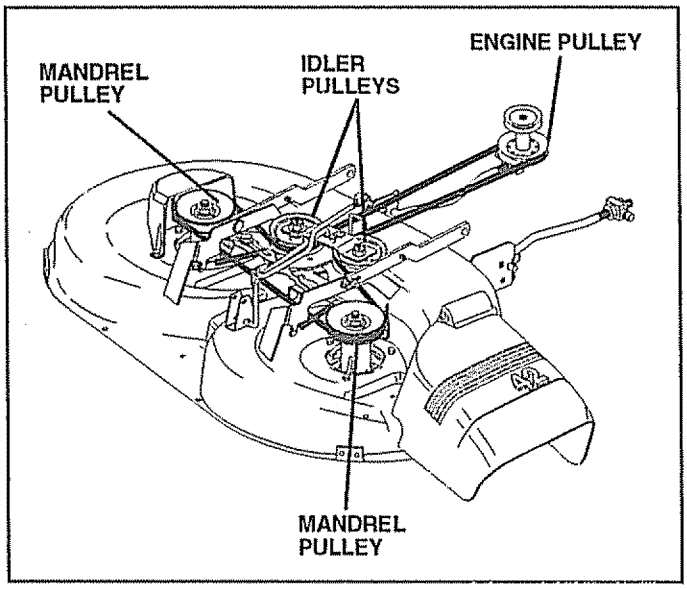


FIG. 24

TO ADJUST BRAKE (See Fig. 25)

Your unit is equipped with an adjustable brake system which is mounted on the right side of the transaxle.

If unit requires more than six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted.

- Depress clutch/brake pedal and engage parking brake.
- Measure distance between brake operating arm and nut "A" on brake rod.
- If distance is other than 1-1/2", disengage parking brake, loosen jam nut and turn nut "A" until distance becomes 1-1/2". Retighten jam nut against nut "A".
- Engage parking brake and recheck distance.
- Road test unit for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than six (6) feet in highest gear, further maintenance is necessary. Contact your nearest authorized service center.

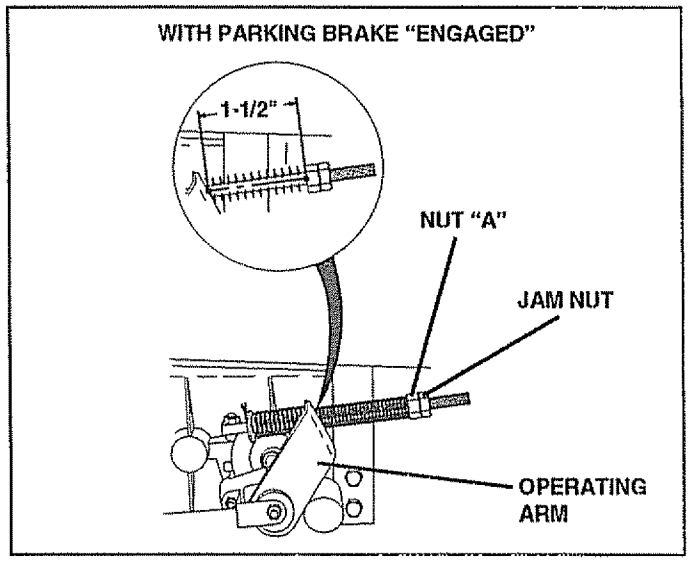


FIG. 25

TO REPLACE MOTION DRIVE BELT (See Fig. 26)

Park the tractor on level area. Engage parking brake. For assistance, there is a belt installation guide decal on bottom side of left footrest.

- Remove mower (See "TO REMOVE MOWER" in this section of this manual).
- Remove belt from stationary idler and clutching idler.
- Remove belt from engine pulley.
- Roll belt over top of transaxle pulley.
- Install new belt by reversing above procedure.

IMPORTANT: REPLACE ONLY WITH BELT LISTED IN THIS MANUAL.

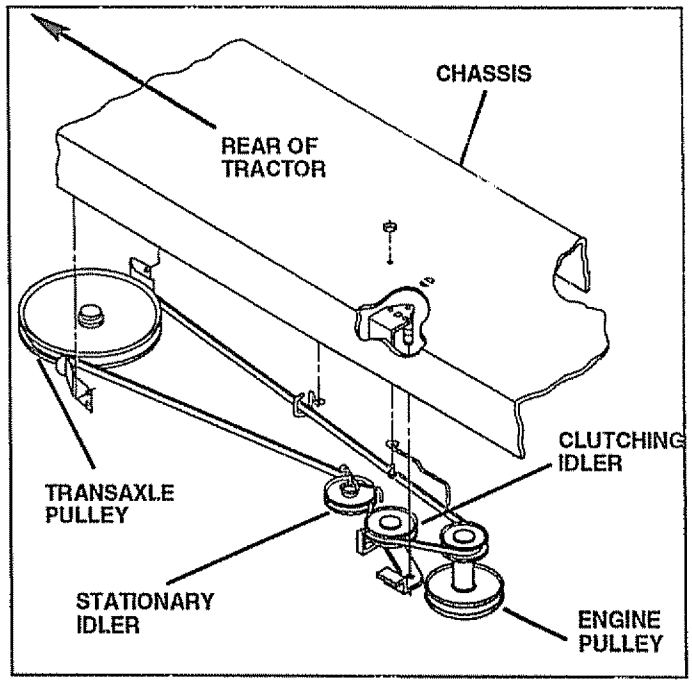


FIG. 26

SERVICE AND ADJUSTMENTS

TO ADJUST STEERING WHEEL ALIGNMENT

If steering wheel crossbars are not horizontal (left to right) when wheels are positioned straight forward, remove steering wheel and reassemble per instructions in the Assembly section of this manual.

FRONT WHEEL TOE-IN/CAMBER

The front wheel toe-in and camber are not adjustable on your unit. If damage has occurred to affect the front wheel toe-in or camber, contact your nearest authorized service center.

TO REMOVE WHEEL FOR REPAIRS (See Fig. 27)

- Block up axle securely.
- Remove axle cover, retaining ring and washers to allow wheel removal (rear wheel contains a square key - Do not lose).
- Repair tire and reassemble.
- On rear wheels only: align grooves in rear wheel hub and axle. Insert square key.
- Replace washers and snap retaining ring securely in axle groove.
- Replace axle cover.

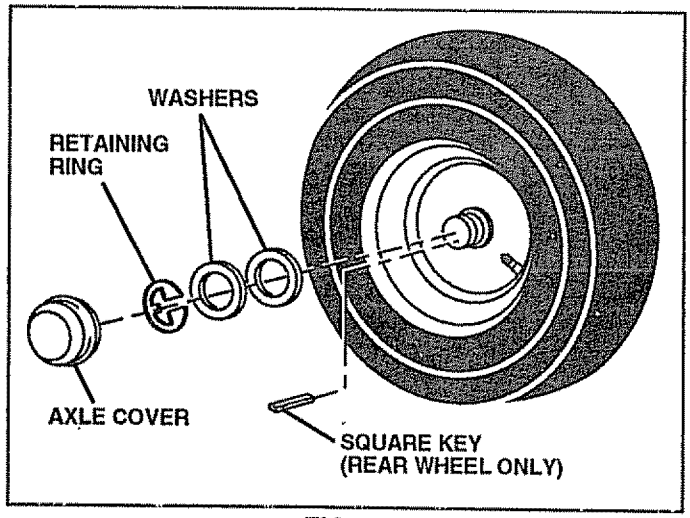


FIG. 27

TO START ENGINE WITH A WEAK BATTERY (See Figs. 28 & 29)

CAUTION: Lead-acid batteries generate explosive gases. Keep sparks, flame and smoking materials away from batteries. Always wear eye protection when around batteries.

If your battery is too weak to start the engine, it should be recharged. If "jumper cables" are used for emergency starting, follow this procedure:

IMPORTANT: YOUR UNIT IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUNDED SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM. DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

TO ATTACH JUMPER CABLES -

- Connect each end of the RED cable to the POSITIVE (+) terminal of each battery, taking care not to short against chassis.
- Connect one end of the BLACK cable to the NEGATIVE (-) terminal of fully charged battery.
- Connect the other end of the BLACK cable to a panel bolt on the left side of the chassis, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER -

- BLACK cable first from left side of chassis and fully charged battery.
- RED cable last from both batteries.

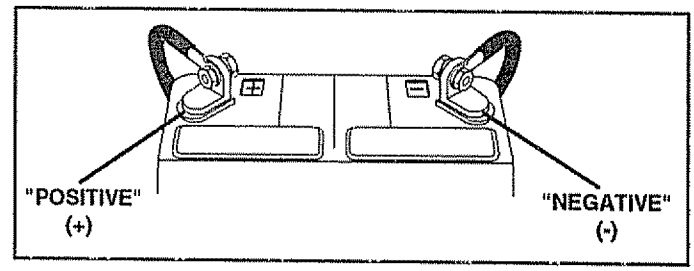


FIG. 28

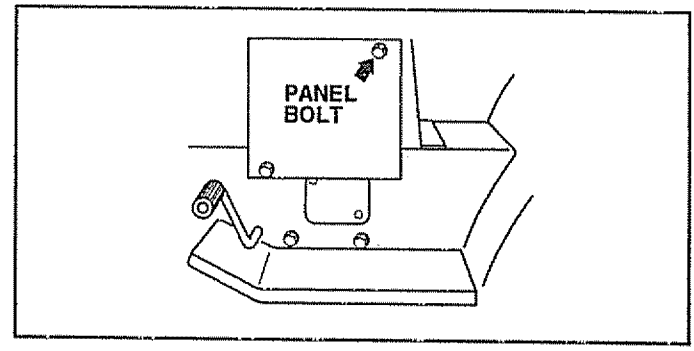


FIG. 29

TO REPLACE FUSE

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located under the dash, directly behind the engine.

TO REPLACE HEADLIGHT BULB

- Raise hood.
- Pull bulb holder out of the hole in the backside of the grill.
- Replace bulb in holder and push bulb holder securely back into the hole in the backside of the grill.
- Close hood.

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 30)

The throttle control has been preset at the factory and adjustment should not be necessary. Check adjustment as described below before loosening cable. If adjustment is necessary, procede as follows:

- With engine not running, move throttle control lever from "SLOW" to "CHOKE" position. Slowly move lever from "CHOKE" to "FAST" position.
- Check to see if hole in throttle lever and hole in speed control bracket are aligned.
- If holes are not aligned, loosen cable clamp screw and align the holes by inserting a pencil or a 1/4" drill bit through both holes.
- Pull throttle cable up to remove slack and tighten cable clamp screw. Remove alignment pencil or drill bit.

TO ADJUST CARBURETOR (See Fig. 31)

The carburetor has been preset at the factory and adjustment should not be necessary. However, minor adjustment may be required to compensate for differences in fuel, temperature, altitude or load. If the carburetor does need adjustment, proceed as follows:

In general, turning the adjusting needles **in** (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the adjusting needles **out** (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/air mixture.

IMPORTANT: DAMAGE TO THE NEEDLES AND THE SEATS IN CARBURETOR MAY RESULT IF NEEDLE IS TURNED IN TOO TIGHT.

PRELIMINARY SETTING -

- Be sure you have a clean air filter and the throttle control cable is adjusted properly (see above).
- With engine off turn idle fuel adjusting needle **in** (clockwise) closing it finger tight and then turn **out** (counterclockwise) 1 turn.

FINAL SETTING -

- Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in "NEUTRAL" position.
- Idle speed setting - With throttle control lever in "SLOW" position, engine should idle at 1625 RPM. If engine idles too slow or fast, turn idle speed adjusting screw in or out until correct idle is attained.
- Idle fuel needle setting - With throttle control lever in "SLOW" position, turn idle fuel adjusting needle **in** (clockwise) until engine begins to die and then turn **out** (counterclockwise) approximately 1/8 to 1/4 turn to obtain best low speed performance.
- Recheck idle speed. Readjust if necessary.

ACCELERATION TEST -

- Move throttle control lever from "SLOW" to "FAST" position. If engine hesitates or dies, turn idle fuel adjusting needle **out** (counterclockwise) 1/8 turn. Repeat test and continue to adjust, if necessary, until engine accelerates smoothly.

High speed stop is factory adjusted. Do not adjust - damage may result.

IMPORTANT: NEVER TAMPER WITH THE ENGINE GOVERNOR, WHICH IS FACTORY SET FOR PROPER ENGINE SPEED. OVERSPEEDING THE ENGINE ABOVE THE FACTORY HIGH SPEED SETTING CAN BE DANGEROUS. IF YOU THINK THE ENGINE-GOVERNED HIGH SPEED NEEDS ADJUSTING, CONTACT YOUR NEAREST SEARS SERVICE CENTER, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.

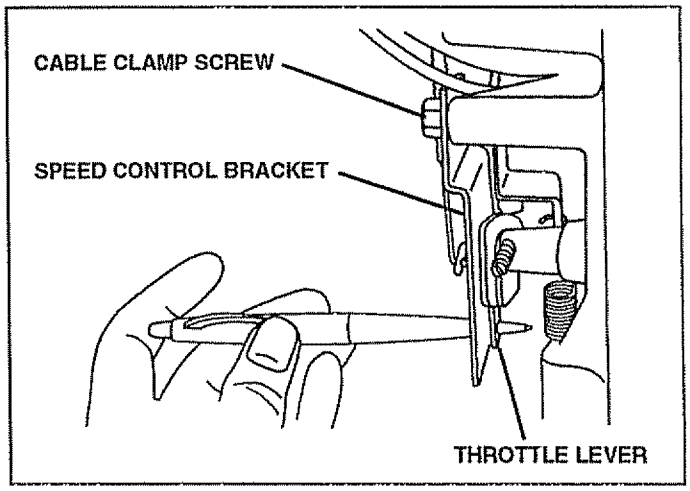


FIG. 30

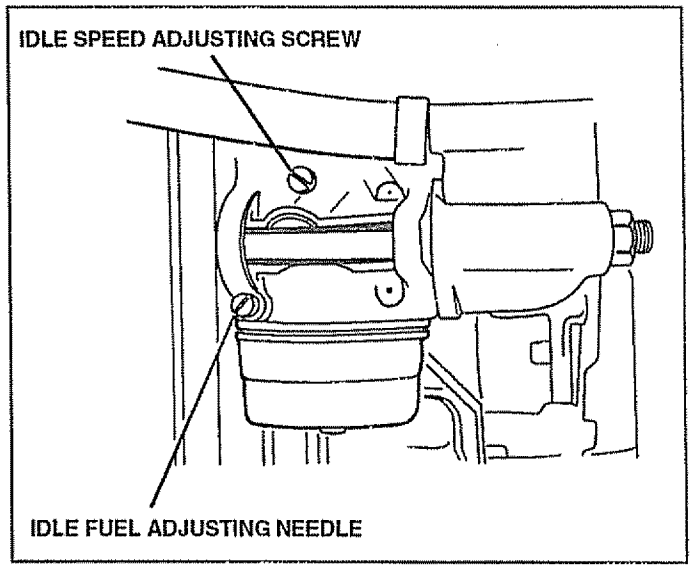


FIG. 31

STORAGE

Immediately prepare your tractor for storage at the end of the season or if the unit will not be used for 30 days or more.

CAUTION: Never store the tractor with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

TRACTOR

Remove mower from tractor for winter storage. When mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area.

- Clean entire tractor (See "CLEANING" in the Customer Responsibilities section of this manual).
- Inspect and replace belts, if necessary (See belt replacement instructions in the Service and Adjustments section of this manual).
- Lubricate as shown in the Customer Responsibilities section of this manual.
- Be sure that all nuts, bolts and screws are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
- Touch up all rusted or chipped paint surfaces; sand lightly before painting.

BATTERY

- Fully charge the battery for storage.
- After a period of time in storage, battery may require recharging.
- To help prevent corrosion and power leakage during long periods of storage, battery cables should be disconnected and battery cleaned thoroughly (see "TO CLEAN BATTERY AND TERMINALS" in the Customer Responsibilities section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- Be sure battery drain tube is securely attached.

ENGINE

FUEL SYSTEM

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

- Drain the fuel tank.
- Start the engine and let it run until the fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- Use fresh fuel next season.

NOTE: Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow the mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow the stabilizer to reach the carburetor. Do not drain the gas tank and carburetor if using fuel stabilizer.

ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Customer Responsibilities section of this manual).

CYLINDERS

- Remove spark plug(s).
- Pour one ounce of oil through spark plug hole(s) into cylinder(s).
- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace with new spark plug(s).

OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems.
- If possible, store your unit indoors and cover it to give protection from dust and dirt.
- Cover your unit with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and will cause your unit to rust.

IMPORTANT: NEVER COVER TRACTOR WHILE ENGINE AND EXHAUST AREAS ARE STILL WARM.

TROUBLESHOOTING POINTS

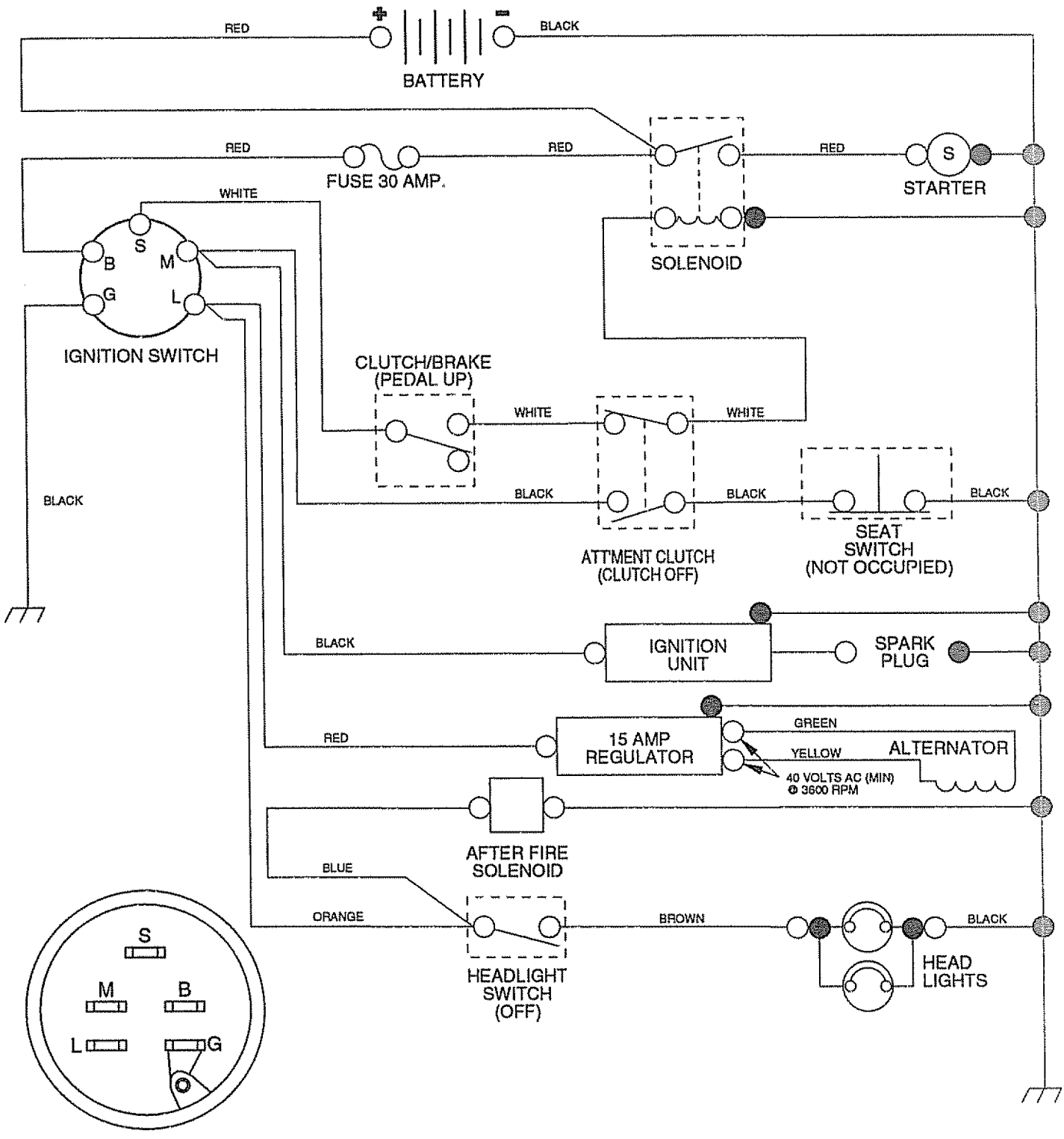
PROBLEM	CAUSE	CORRECTION
Will not start	1. Out of fuel. 2. Engine not "CHOKED" properly. 3. Engine flooded. 4. Bad spark plug. 5. Dirty air filter. 6. Dirty fuel filter. 7. Water in fuel. 8. Loose or damaged wiring. 9. Carburetor out of adjustment. 10. Engine valves out of adjustment.	1. Fill fuel tank. 2. See "TO START ENGINE" in Operation section. 3. Wait several minutes before attempting to start. 4. Replace spark plug. 5. Clean/replace air filter. 6. Replace fuel filter. 7. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 8. Check all wiring. 9. Contact an authorized service facility. 10. Contact an authorized service facility.
Hard to start	1. Dirty air filter. 2. Bad spark plug. 3. Weak or dead battery. 4. Dirty fuel filter. 5. Stale or dirty fuel. 6. Loose or damaged wiring. 7. Carburetor out of adjustment. 8. Engine valves out of adjustment.	1. Clean/replace air filter. 2. Replace spark plug. 3. Recharge or replace battery. 4. Replace fuel filter. 5. Drain fuel tank and refill with fresh gasoline. 6. Check all wiring. 7. Contact an authorized service facility. 8. Contact an authorized service facility.
Engine will not turn over	1. Clutch/brake pedal not depressed. 2. Attachment clutch is engaged. 3. Weak or dead battery. 4. Blown fuse. 5. Corroded battery terminals. 6. Loose or damaged wiring. 7. Faulty ignition switch. 8. Faulty solenoid or starter. 9. Faulty operator presence switch(es).	1. Depress clutch/brake pedal. 2. Disengage attachment clutch. 3. Recharge or replace battery. 4. Replace fuse. 5. Clean battery terminals. 6. Check all wiring. 7. Check/replace ignition switch. 8. Check/replace solenoid or starter. 9. Contact an authorized service facility.
Engine clicks but will not start	1. Weak or dead battery. 2. Corroded battery terminals. 3. Loose or damaged wiring. 4. Faulty solenoid or starter.	1. Recharge or replace battery. 2. Clean battery terminals. 3. Check all wiring. 4. Check/replace solenoid or starter.
Loss of power	1. Cutting too much grass/too fast. 2. Throttle in "CHOKE" position. 3. Build-up of grass, leaves and trash under mower. 4. Dirty air filter. 5. Low oil level/dirty oil. 6. Faulty spark plug. 7. Dirty fuel filter. 8. Stale or dirty fuel. 9. Water in fuel. 10. Spark plug wire loose. 11. Dirty engine air screen/fins. 12. Dirty/clogged muffler. 13. Loose or damaged wiring. 14. Carburetor out of adjustment. 15. Engine valves out of adjustment.	1. Set in "Higher Cut" position/reduce speed. 2. Adjust throttle control. 3. Clean underside of mower housing. 4. Clean/replace air filter. 5. Check oil level/change oil. 6. Clean and regap or change spark plug. 7. Replace fuel filter. 8. Drain fuel tank and refill with fresh gasoline. 9. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 10. Connect and tighten spark plug wire. 11. Clean engine air screen/fins. 12. Clean/replace muffler. 13. Check all wiring. 14. Contact an authorized service facility. 15. Contact an authorized service facility.
Excessive vibration	1. Worn, bent or loose blade. 2. Bent blade mandrel. 3. Loose/damaged part(s).	1. Replace blade. Tighten blade bolt. 2. Replace blade mandrel. 3. Tighten loose part(s). Replace damaged parts.

TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Engine continues to run when operator leaves seat with attachment clutch engaged	1. Faulty operator-safety presence control system.	1. Check wiring, switches and connections. If not corrected, contact an authorized service facility.
Poor cut - uneven	1. Worn, bent or loose blade. 2. Mower deck not level. 3. Buildup of grass, leaves, and trash under mower. 4. Bent blade mandrel. 5. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1. Replace blade. Tighten blade bolt. 2. Level mower deck. 3. Clean underside of mower housing. 4. Replace blade mandrel. 5. Clean around mandrels to open vent holes.
Mower blades will not rotate	1. Obstruction in clutch mechanism. 2. Worn/damaged mower drive belt. 3. Frozen idler pulley. 4. Frozen blade mandrel.	1. Remove obstruction. 2. Replace mower drive belt. 3. Replace idler pulley. 4. Replace blade mandrel.
Poor grass discharge	1. Engine speed too slow. 2. Travel speed too fast. 3. Wet grass. 4. Mower deck not level. 5. Low/uneven tire air pressure. 6. Worn, bent or loose blade. 7. Buildup of grass, leaves and trash under mower. 8. Mower drive belt worn. 9. Blades improperly installed. 10. Improper blades used. 11. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1. Place throttle control in "FAST" position. 2. Shift to slower speed. 3. Allow grass to dry before mowing. 4. Level mower deck. 5. Check tires for proper air pressure. 6. Replace/sharpen blade. Tighten blade bolt. 7. Clean underside of mower housing. 8. Replace mower drive belt. 9. Reinstall blades sharp edge down. 10. Replace with blades listed in this manual. 11. Clean around mandrels to open vent holes.
Headlight(s) not working (if so equipped)	1. Switch is "OFF". 2. Bulb(s) burned out. 3. Faulty light switch. 4. Loose or damaged wiring. 5. Blown fuse.	1. Turn switch "ON". 2. Replace bulb(s). 3. Check/replace light switch. 4. Check wiring and connections. 5. Replace fuse.
Battery will not charge	1. Bad battery cell(s). 2. Poor cable connections. 3. Faulty regulator (if so equipped). 4. Faulty alternator.	1. Replace battery. 2. Check/clean all connections. 3. Replace regulator. 4. Replace alternator.
Engine "backfires" when turning engine "OFF"	1. Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine.	1. Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

SCHEMATIC



IGNITION SWITCH

POSITION	CIRCUIT
OFF	M + G
ON	B + L
START	B + S + L

NON-REMOVABLE CONNECTIONS

REMOVABLE CONNECTIONS

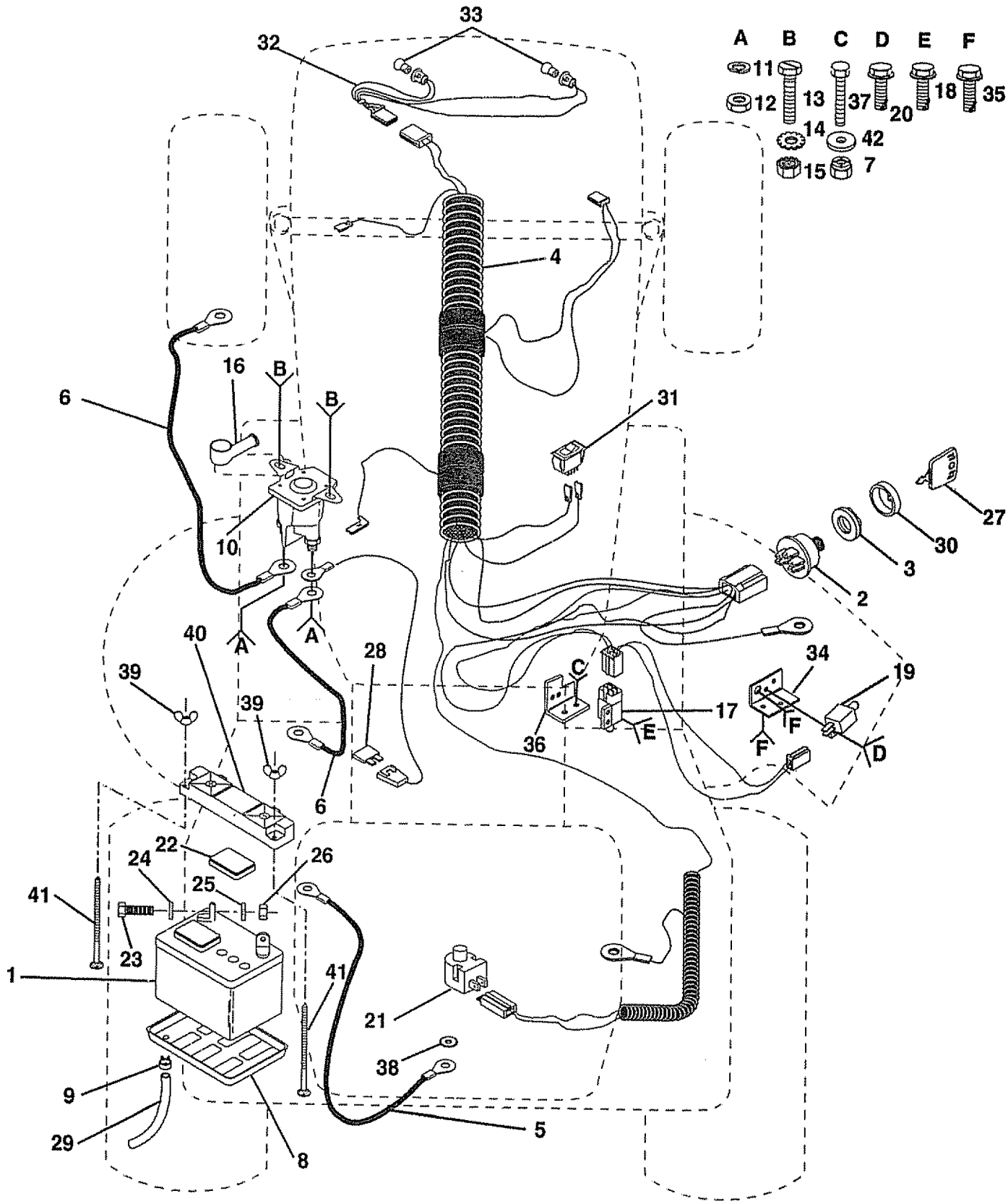
WIRING INSULATED CLIPS

NOTE: IF WIRING INSULATED CLIPS WERE REMOVED FOR SERVICING OF UNIT, THEY SHOULD BE REPLACED TO PROPERLY SECURE YOUR WIRING

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

ELECTRICAL



REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

ELECTRICAL

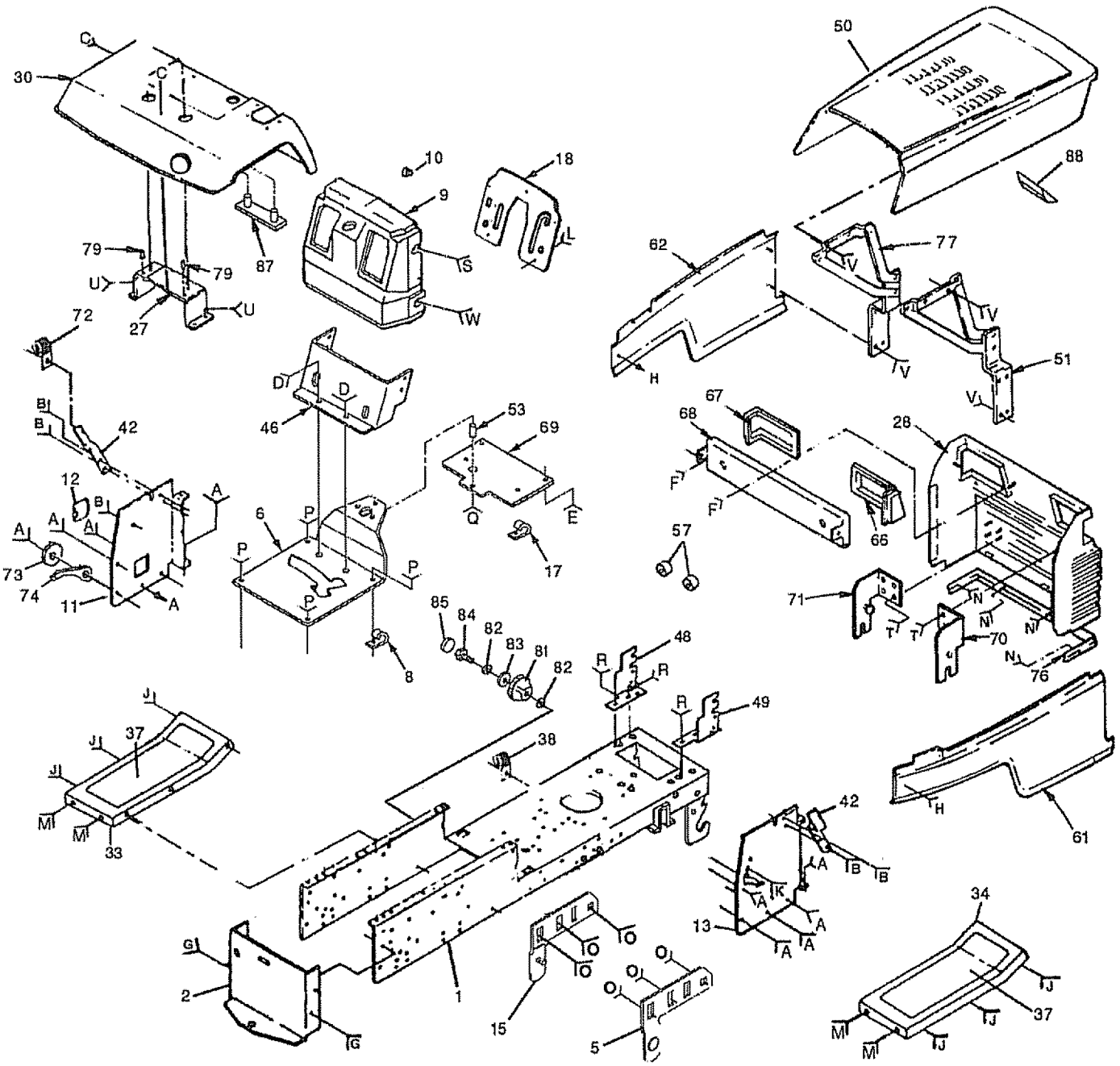
KEY NO.	PART NO.	DESCRIPTION
1	121537X	Battery
2	102972X	Switch, Ignition
3	124211X	Nut, Ignition
4	133135	Harness, Ignition
5	4207J	Cable, Ground
6	4206J	Cable, Battery
7	STD541437	Nut
8	7603J	Tray, Battery
9	109596X	Clamp, Hose
10	109081X	Solenoid
11	STD551125	Washer, Lock
12	73350400	Nut, Hex, Jam 1/4-20 UNC
13	74780408	Bolt, Hex, Fin. 1/4-20 UNC x 1/2 Grade 5
14	STD551225	Washer
15	STD541425	Nut
16	131563	Cover, Terminal
17	109553X	Switch, Interlock
18	STD601005	Screw
19	104445X	Switch, Interlock
20	STD601005	Screw
21	121305X	Switch, Plunger
22	121264X	Cap, Battery
23	74760412	Bolt, Hex 1/4-20 UNC x 3/4
24	STD551025	Washer
25	STD551125	Washer
26	STD541025	Nut
27	109310X	Key, Ignition
28	108824X	Fuse
29	100541K	Tube, Plastic
30	123620X	Cover, Key Switch
31	110712X	Switch, Light
32	127441X	Harness, Light Socket
33	4152J	Bulb, Light
34	108236X	Bracket, Switch
35	STD601005	Screw
36	110923X	Bracket, Switch
37	74760616	Bolt, Hex 3/8-16 x 1
38	STD551237	Washer
39	123198X	Nut, Plastic, Wing 1/4-20
40	102476X	Guard, Terminal
41	STD532575	Bolt
42	19131312	Washer 13/32 x 13/16 x 12 Gauge

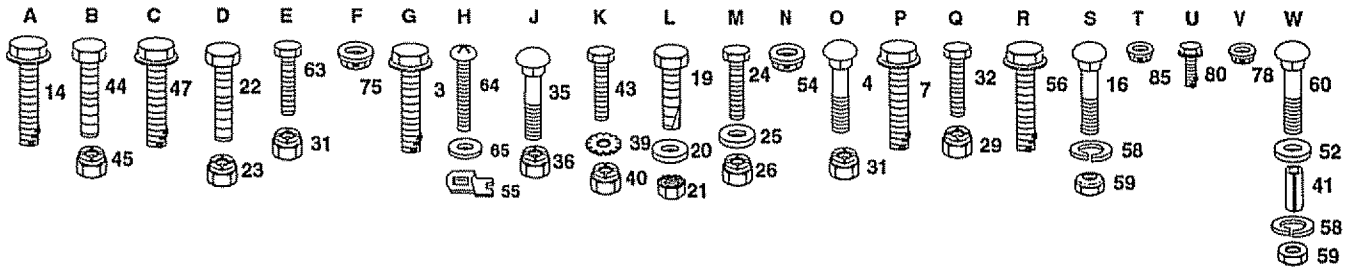
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

CHASSIS AND ENCLOSURES





REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

CHASSIS AND ENCLOSURES

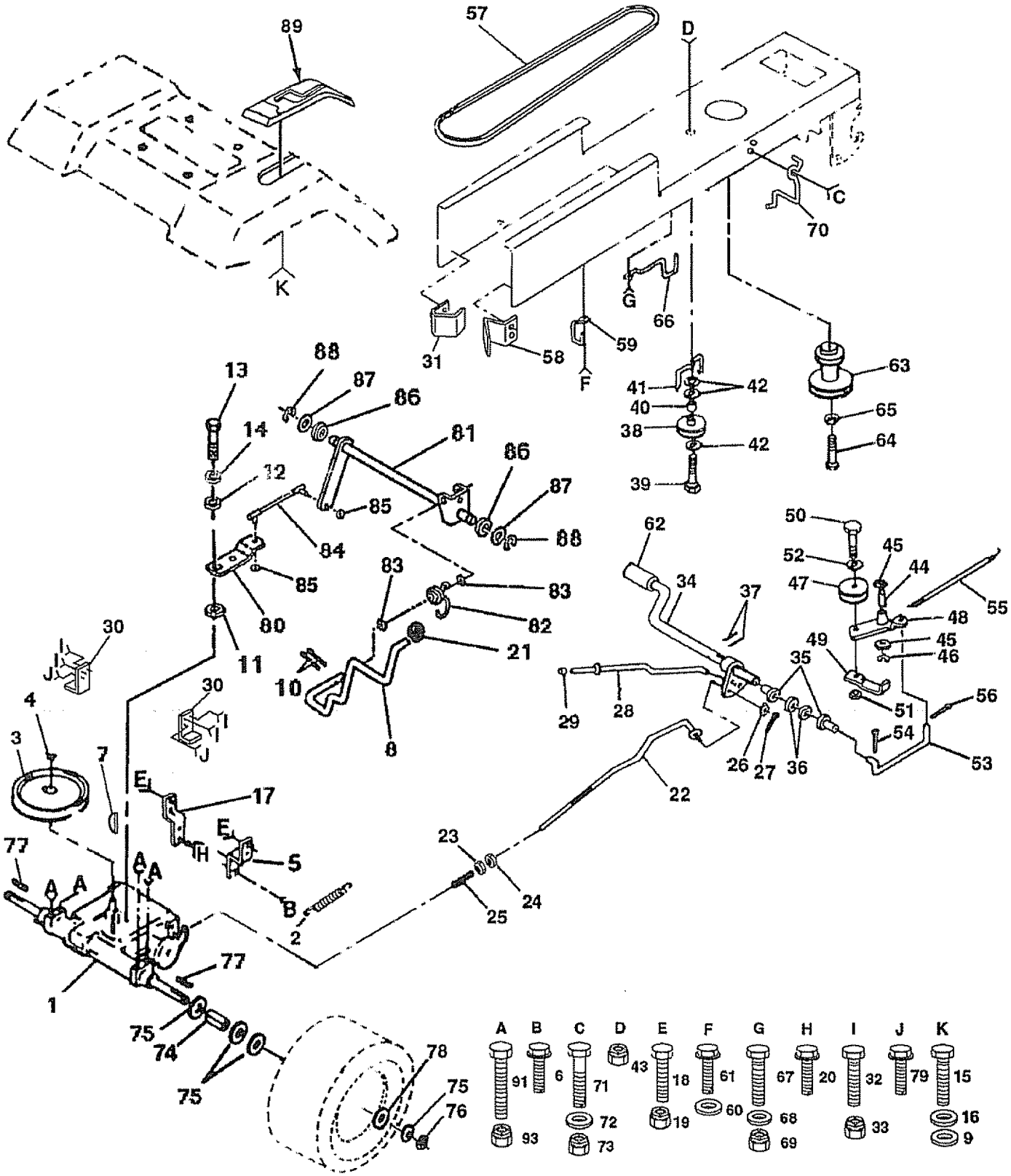
KEY NO.	PART NO.	DESCRIPTION
1	135034	Chassis
2	130805	Drawbar
3	17490612	Screw, Thd., Roll. 3/8-16 x 3/4 Type TT
4	72140606	Bolt, Carriage 3/8-16 x 3/4
5	134775	Bracket Assembly, Pivot, RH
6	123783X012	Saddle, Silkscreened
7	17490608	Screw, Thd., Roll. 3/8-16 x 1/2 Type TT
8	2751R	Clip, Fuel Line
9	120028X	Dash, Plastic
10	5479J	Plug, Button
11	124118X	Panel, Dash, LH
12	121794X	Cover, Access
13	133748	Panel, Dash, RH
14	17490612	Screw, Thd., Roll. 3/8-16 x 3/4 Type TT
15	134774	Bracket Assembly, Pivot, LH
16	STD533710	Bolt
17	2751R	Clip, Fuel Line
18	129621X012	Plate, Dash
19	74180412	Screw, Machine 1/4-20 x 3/4
20	STD551025	Washer 17/64
21	STD541425	Nut
22	74180512	Screw, Machine, Truss Head 5/16-18 UNC x 3/4
23	73680500	Nut, Crownlock 5/16-18
24	STD523707	Bolt
25	19131312	Washer 13/32 x 13/16 x 12 Gauge
26	STD541437	Nut
27	105509X	Bracket Assembly, Fender
28	105528X	Grill
29	STD541431	Nut, Crownlock 5/16-18
30	123784X459	Fender
31	73680600	Nut, Crownlock
32	STD523120	Bolt, Hex 5/16-18 x 2
33	105465X459	Footrest, LH
34	105464X459	Footrest, RH
35	STD533707	Bolt
36	STD541437	Nut
37	105466X	Pad, Footrest
38	2751R	Clip, Fuel Line
39	STD551237	Washer
40	STD541437	Nut
41	121235X	Spacer, Split
42	105525X	Bracket, Support, Dash
43	STD523707	Bolt
44	STD523707	Bolt
45	STD541437	Nut
46	105518X	Dash, Lower
47	17490608	Screw, Thd., Roll. 3/8-16 x 1/2 Type TT
48	109015X	Bracket Assembly, Front Pivot Hinge, LH
49	109016X	Bracket Assembly, Front Pivot Hinge, RH
50	106013X459	Hood Assembly
51	106091X	Hinge Assembly, RH
52	19131416	Washer 13/32 x 7/8 x 16 Gauge
53	121236X	Spacer, Split
54	108067X	Nut, Pal
55	108402X	U Clip, Alluminum
56	17490612	Screw, Thd., Roll. 3/8-16 x 3/4 Type TT
57	110436X	Bushing, Snap, Split
58	STD551137	Washer, Lock
59	STD541037	Nut
60	STD533727	Bolt
61	108403X459	Panel Assembly, RH
62	108410X459	Panel Assembly, LH
63	STD523707	Bolt
64	106909X	Screw, Special, Dacrotized
65	106910X	Washer, Alluminum
66	106003X	Lens, Headlight, RH
67	106004X	Lens, Headlight, LH
68	132257	Bezel, Light
69	128231	Plate, Support, Battery
70	108512X	Bracket Assembly, Pivot, RH
71	108513X	Bracket Assembly, Pivot, LH
72	5320R	Clip, Insulated
73	120529X	Washer, Nylon .44 x .75 x .032
74	123933X394	Pointer, Height Indicator
75	108067X	Nut, Pal
76	110350X459	Strap Assembly, Grill
77	106090X	Hinge Assembly, LH
78	108067X	Nut, Pal
79	105531X	Nut, Push, Nylon
80	17490612	Screw, Thd. Roll. 3/8-16 x 3/4 Type TT
81	123934X	Scale, Height Indicator
82	19112410	Washer 11/32 x 1-1/2 x 10 Gauge
83	STD551131	Washer, Lock
84	74780516	Bolt, Hex, Fin. 5/16-18 UNC x 1
85	120579X	Nut, Pal
86	123935X	Plug, Hole
87	105511X	Fender Strap
88	136532	Bumper, Hood

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

DRIVE



REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

DRIVE

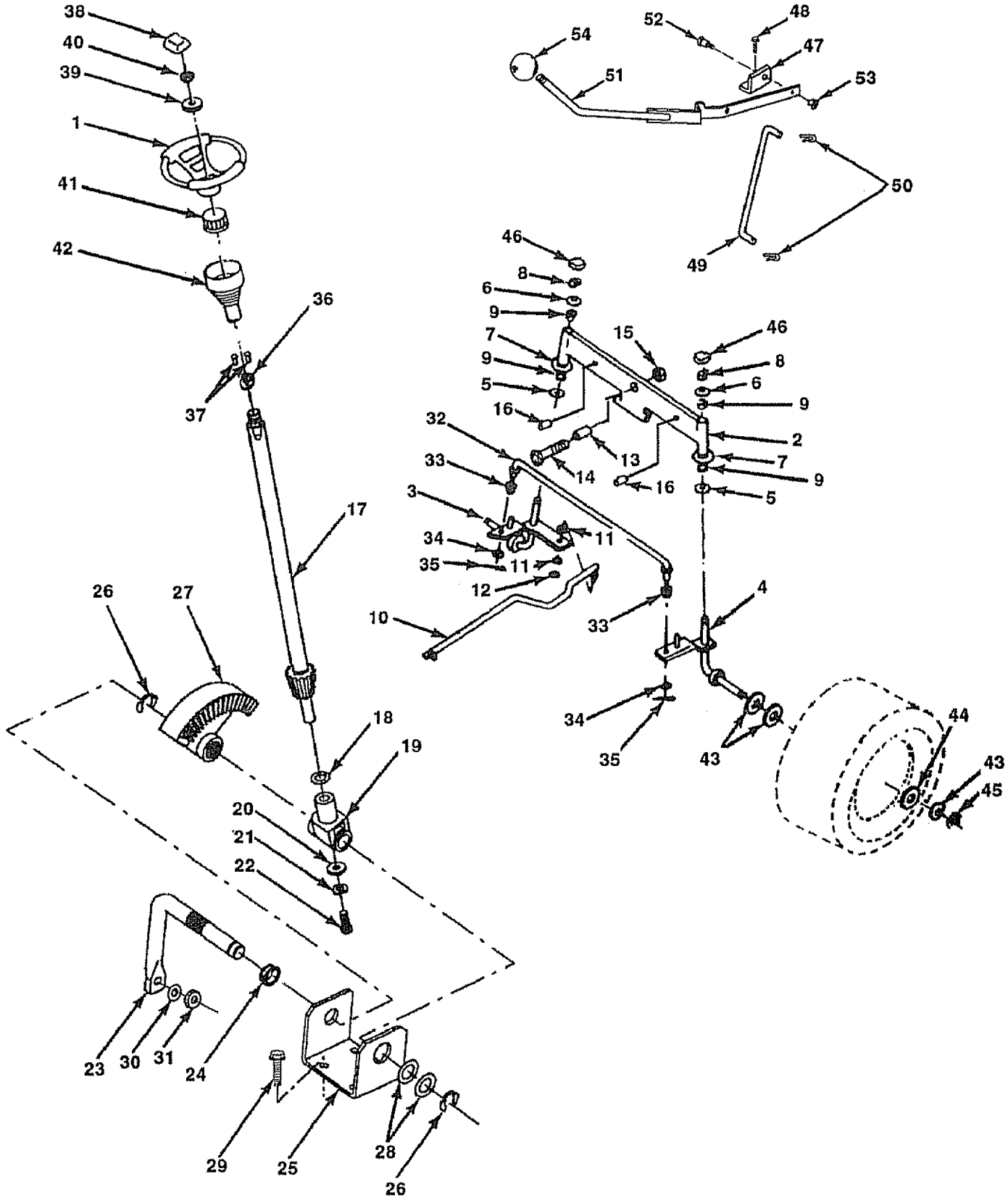
KEY NO.	PART NO.	DESCRIPTION
1	136168	Transaxle, Dana, 6 Speed
2	110422X	Spring, Return, Brake
3	123667X	Pulley, Transaxle
4	12000028	Ring, Retainer
5	121520X	Strap, Torque
6	17490512	Screw, Thd., Roll. 5/16-18 x 3/4 Type T
7	2228M	Key, Woodruff
8	127288X	Rod, Shifter, Fender
9	19060718	Washer 3/16 x 7/16 x 18 Gauge
10	STD561210	Pin
11	105701X	Washer, Plate, Shifter
12	19151216	Washer 15/32 x 3/4 x 16 Gauge
13	71040412	Bolt, Hex, Fin. 1/4-28 UNF x 3/4 Grade 8
14	STD551125	Washer, Lock, Heavy Helical Spring
15	74640808	Screw #8 x 1/2
16	10100800	Washer, Lock #8
17	121520X	Strap, Torque
18	STD523707	Bolt
19	STD541437	Nut
20	17490512	Screw, Thd., Roll. 5/16-18 x 3/4 Type T
21	106933X	Knob, Round
22	130804	Rod, Brake
23	STD541437	Locknut
24	STD541237	Nut
25	106888X	Spring, Rod, Brake
26	STD551037	Washer
27	STD561210	Pin
28	133261	Rod, Parking Brake
29	124236X	Cap, Parking Brake, Red
30	130807	Bracket, Transaxle Mounting
31	127289	Keeper, Belt, LH
32	STD523107	Bolt
33	STD541431	Nut
34	122424X	Shaft Assembly, Foot Pedal
35	120183X	Bearing, Nylon
36	STD551062	Washer
37	STD571810	Pin, Roll
38	123674X	Pulley, Idler, Flat
39	STD523727	Bolt
40	4470J	Spacer, Split
41	109070X	Keeper, Belt Retainer
42	19131312	Washer 13/32 x 13/16 x 12 Gauge
43	STD541437	Nut
44	105706X	Bearing, Nylon
45	110812X	Washer, Hardened
46	12000039	Ring, Klip
47	127783	Pulley, Idler, V-Groove
48	123789X	Bellcrank Assembly
49	123205X	Retainer, Belt
50	STD523715	Bolt
51	STD541437	Nut
52	STD551037	Washer
53	105710X	Link, Clutch
54	STD561210	Pin
55	105709X	Spring, Return, Clutch
56	STD561210	Pin
57	131006	V-Belt, Ground Drive
58	127290	Keeper, Belt, RH
59	136715	Keeper, Chassis, Center Span Belt
60	19131312	Washer 13/32 x 13/16 x 12 Gauge
61	17490612	Screw, Thd., Roll. 3/8-16 x 3/4 Type TT
62	8883R	Cover, Pedal, Round
63	134825	Pulley, Engine
64	M010110100	Bolt, Hex M10-1.5 x 100
65	STD551143	Washer
66	129921	Keeper, Belt, Engine, LH
67	STD523710	Bolt
68	19131312	Washer 13/32 x 13/16 x 12 Gauge
69	STD541437	Nut
70	134683	Guide, Mower Drive Belt, RH
71	STD523710	Bolt
72	19132012	Washer 13/32 x 1-1/4 x 12 Gauge
73	STD541437	Nut
74	109502X	Spacer, Split
75	121749X	Washer 25/32 x 1-1/4 x 16 Gauge
76	STD581075	E-Ring
77	123583X	Key, Square 2.0 x .1845/.1865
78	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
79	17490612	Screw, Thd., Roll. 3/8-16 x 3/4 Type TT
80	131487	Arm, Shift, Transaxle
81	136933	Shaft Assembly, Shifter
82	123782X	Spring, Torsion, Transaxle
83	19171216	Washer 17/32 x 3/4 x 16 Gauge
84	132183	Tie Rod
85	73530400	Nut, Nylock 1/4-28
86	71208	Bushing, Pivot
87	19212016	Washer
88	12000008	E-Ring
89	127287X	Console, Shifter, 6 Speed
90	STD541431	Nut
91	74760540	Bolt, Hex, Fin. 5/16-18 UNC x 2-1/2

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

STEERING ASSEMBLY



REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

STEERING ASSEMBLY

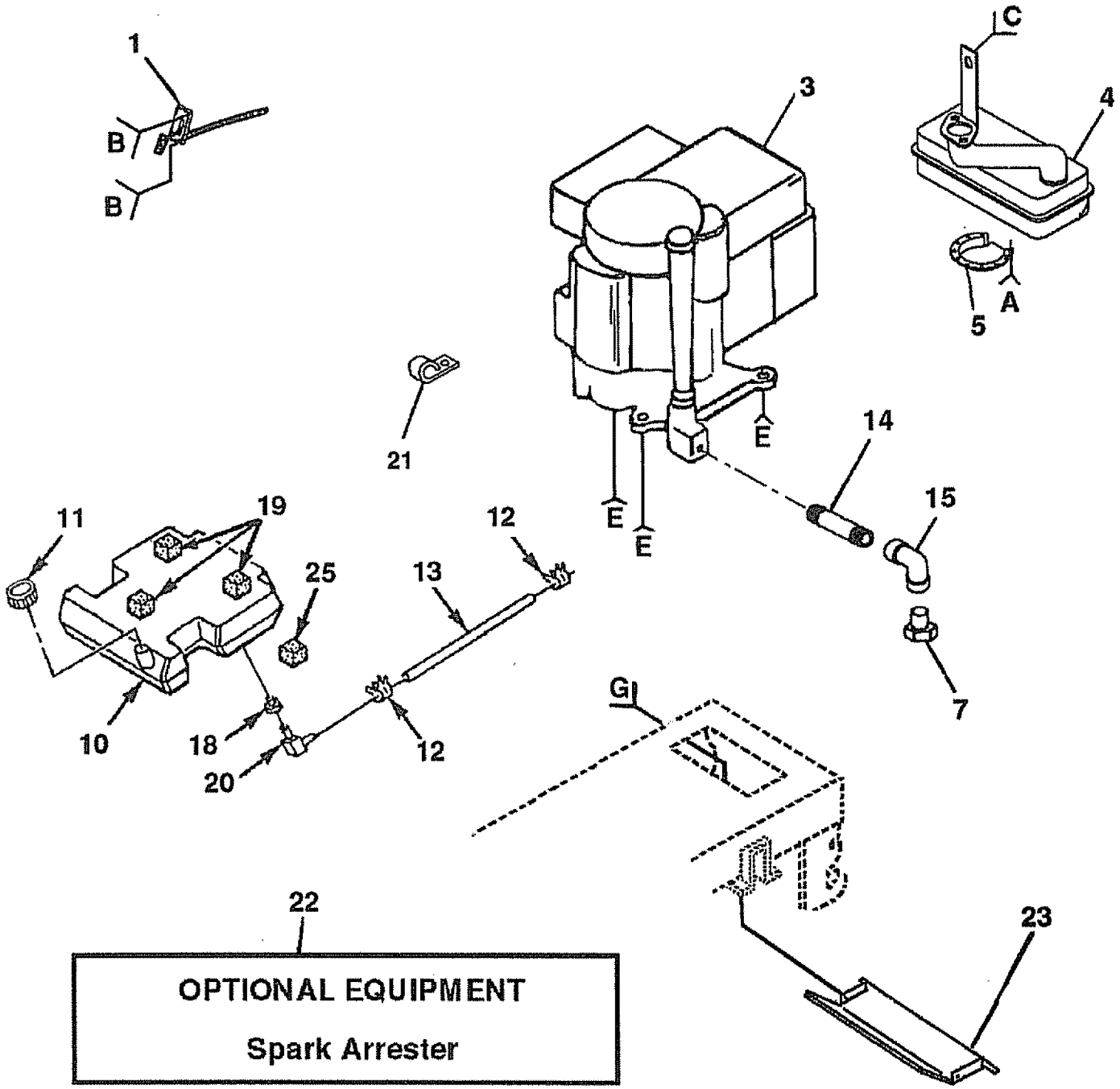
KEY NO.	PART NO.	DESCRIPTION
1	133741	Steering Wheel
2	131450	Axle Assembly, Front
3	135227	Spindle Assembly, LH
4	135228	Spindle Assembly, RH
5	6266H	Bearing, Race, Thrust, Hardened
6	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
7	19272016	Washer 27/32 x 1-1/4 x 16 Gauge
8	12000029	Ring, Klip
9	3366R	Bearing
10	130468	Link, Drag
11	STD551137	Washer, Lock
12	73610600	Nut, Hex, Fin. 3/8-24 UNF
13	110438X	Spacer, Bearing, Front Axle
14	74011056	Bolt, Hex 5/8-11 UNC x 3-1/2
15	73601000	Locknut, Hex, Jam, with Washer Insert 5/8-11 UNC
16	132624	Pin, Axle, Large 5/8 x 1.55/1.54
17	128755	Shaft Assembly, Steering
18	57079	Washer, Thrust .515 x .750 x .033
19	124035X	Support, Shaft
20	126684X	Washer, Shim 1/4 x 5/8 x .062
21	STD551125	Washer
22	71070410	Screw, Hex Socket Head 1/4-20 x 5/8
23	127501	Shaft Assembly, Pittman
24	109816X	Nyliner, Snap-In
25	124036X	Bracket, Steering
26	12000029	Ring, Klip
27	124034X	Gear, Sector
28	6266H	Bearing, Race, Thrust, Hardened
29	17490612	Screw, Thd., Roll. 3/8-16 x 3/4 Type TT
30	STD551137	Washer, Lock
31	73610600	Nut, Hex, Fin. 3/8-24 UNF
32	130465	Tie Rod
33	126847X	Bushing, Link, Drag
34	19131416	Washer 13/32 x 7/8 x 16 Gauge
35	STD561210	Pin
36	1554J	Bushing, Steering
37	STD523710	Bolt
38	133742	Insert, Cap, Steering Wheel
39	100712K	Washer .53 x 2.25 x .160
40	STD541350	Nut
41	100711L	Adapter, Steering Wheel
42	110709X	Column, Steering
43	121749X	Washer 25/32 x 1-1/4 x 16 Gauge
44	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
45	12000029	Ring, Klip
46	121232X	Cap, Spindle
47	131672	Bracket, Pivot, Manual Clutch Lever
48	17490612	Screw, Thd. Roll. 3/8-16 x 3/4 Type TT
49	131291	Link, Clutch, with Nibs
50	STD561210	Pin
51	125916X	Lever Assembly, Mower Clutch
52	106451X	Bolt, Shoulder 3/8-16 UNC Grade 2
53	STD541437	Nut
54	106933X	Knob, Round

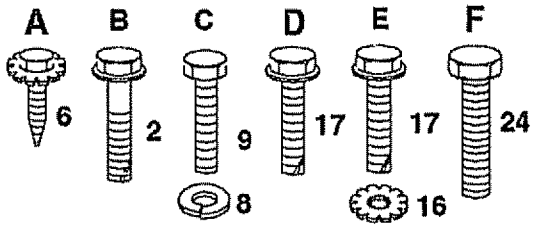
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

ENGINE





REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

ENGINE

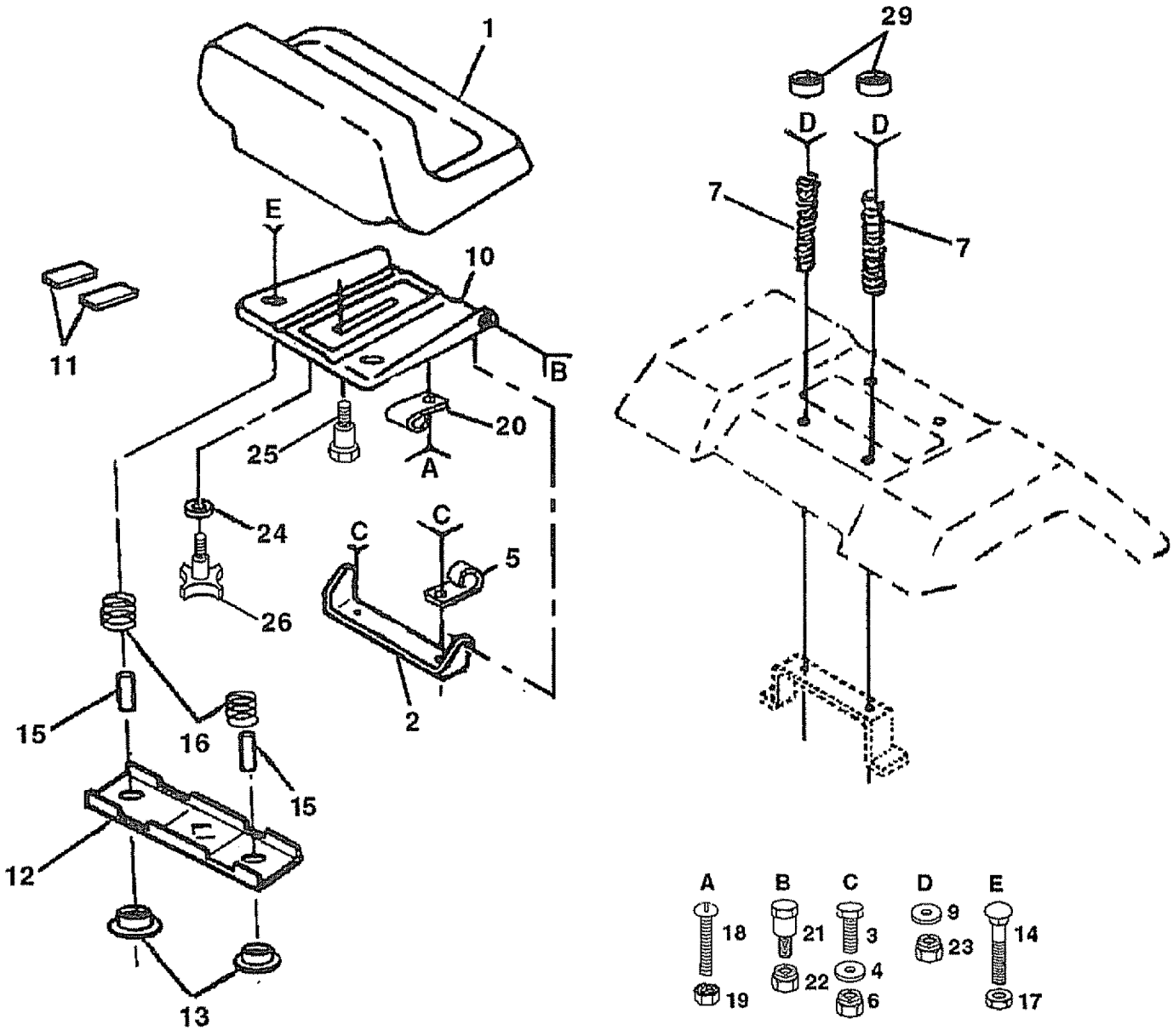
KEY NO.	PART NO.	DESCRIPTION
1	134265	Control, Throttle
2	17720410	Screw, Hex Head, Thread Cutting 1/4-20 x 5/8
3	132499	Engine, Kohler, 14 HP, Model No. CV14S, Type No. 1445
4	124196X	Muffler, Exhaust
5	101326L	Deflector, Muffler
6	17030808	Screw, Hex Head, Spiderlock #8 x 1/2 AB
7	- - -	Plug, Oil Drain (Order From Engine Manufacturer)
8	STD551131	Washer, Lock
9	STD523105	Bolt
10	127334X	Tank, Fuel
11	123549X	Cap Assembly, Fuel
12	123487X	Clamp, Hose
13	8543R	Line, Fuel
14	13280336	Nipple, Pipe
15	13200300	Elbow, Standard 90°, 3/8-18 NPT
16	STD551231	Washer
17	M740108025	Hex Bolt
18	3645J	Bushing
19	106082X	Spacer, Pad
20	8710J	Stem, Fuel Tank
21	2751R	Clip, Fuel Line
22	121851X	Arrester, Spark
23	128953	Shield, Heat
24	STD601005	Screw
25	109227X	Spacer Pad

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

SEAT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION
1	127438X	Seat
2	126656X	Bracket, Pivot, Seat
3	STD523707	Bolt
4	19131210	Washer 13/32 x 3/4 x 10 Gauge
5	2751R	Clip, Fuel Line
6	STD541437	Nut
7	124181X	Spring, Seat
9	19131614	Washer 13/32 x 1 x 14 Gauge
10	131451	Pan, Seat
11	121251X	Strip, Foam
12	121246X	Bracket, Switch Mounting
13	121248X	Bushing, Snap, Nylon
14	72050411	Bolt, Carriage 1/4-20 x 1-3/8
15	134300	Spacer, Split

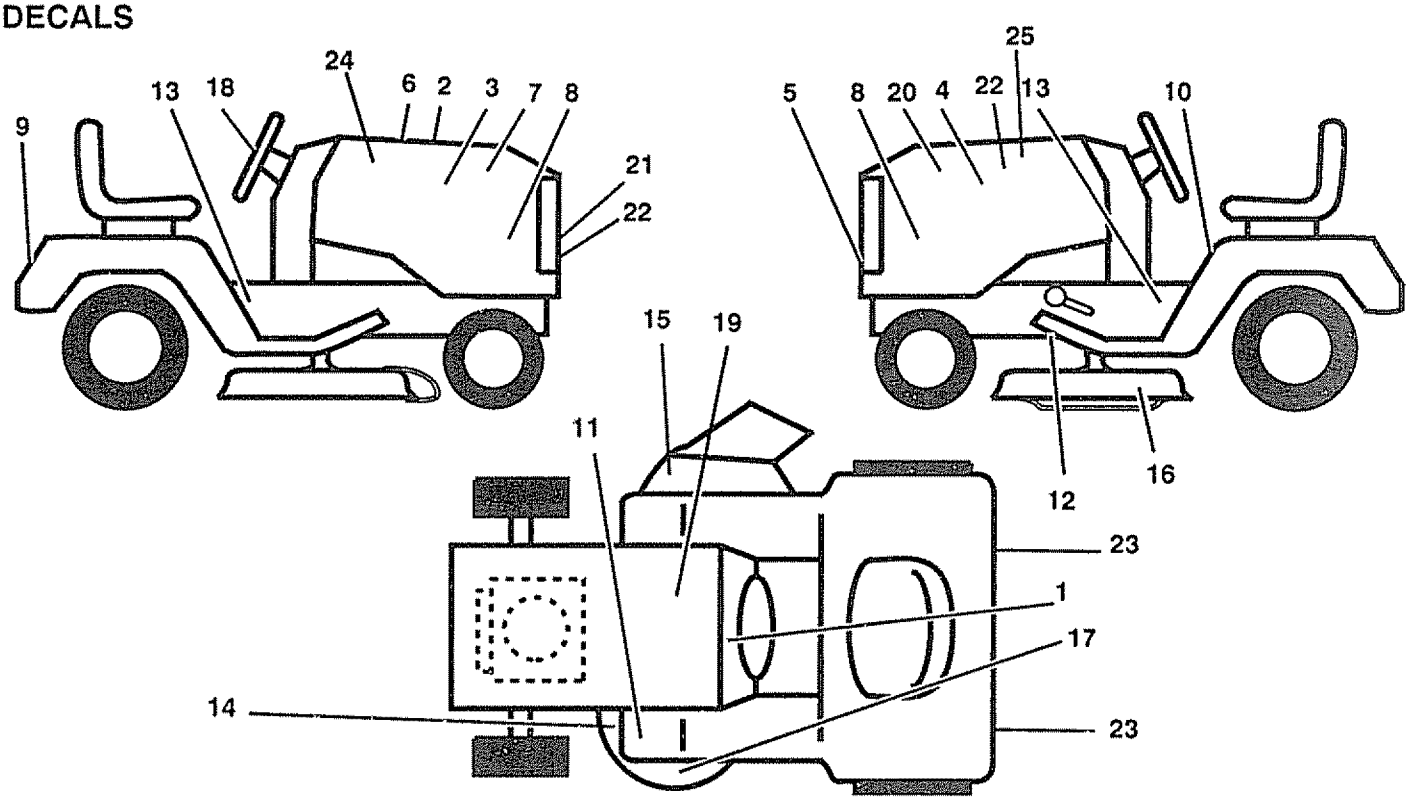
KEY NO.	PART NO.	DESCRIPTION
16	121250X	Spring
17	123976X	Nut, Flangelock 1/4 Grade 5
18	STD511005	Screw
19	73951000	Nut, Keps #10-32 UNF
20	4171R	Clip, Insulated
21	105529X	Bolt, Shoulder 5/16-18 UNC
22	STD541431	Nut
24	19171912	Washer 17/32 x 1-3/16 x 12 Gauge
25	127018X	Bolt, Shoulder 5/16-18 x .62
26	120068X	Knob, Seat
27	STD541437	Nut
29	124238X	Cap, Spring, Seat

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

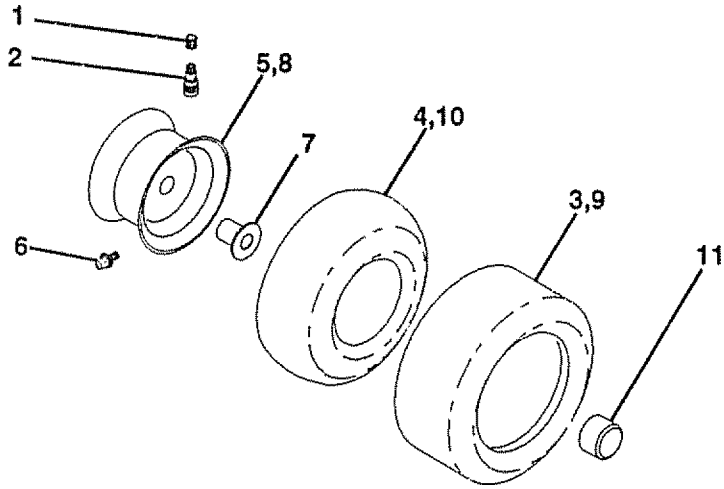
14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

DECALS



KEY NO.	PART NO.	DESCRIPTION
1	108456X	Decal, Operating Instruction
2	133178	Decal, Mower, 3 In One
3	128490	Decal, Hood, Craftsman, RH
4	128491	Decal, Hood, Craftsman, LH
5	105806X	Decal, Grille, Craftsman
6	133644	Decal, Maintenance
7	106814X	Decal, Side Panel, Stripe, RH
8	133204	Decal, Side Panel, Kohler OHV/14 HP
9	128314	Decal, Fender, Craftsman
10	133796	Decal, Caution
11	4900J	Decal, Clutch/Brake
12	109199X	Decal, V-Belt Drive Schematic
13	131473	Decal, Chassis, 6 Speed/42"
14	136832	Decal, V-Belt Schematic
15	121343X	Decal, Danger
16	3713J	Decal, Rotating Blades
17	133179	Decal, Mower QC System
18	132268	Decal, Insruction
19	120960X	Decal, Battery
20	106813X	Decal, Side Panel, Stripe, LH
21	132271	Decal, LT4000
22	128258	Decal, Hood & Grill, LT4000
23	106202X	Reflector, Taillight
24	108743X	Decal, Hood, Stripe, LH
25	108744X	Decal, Hood, Stripe, RH
- -	136219	Manual, Owner's

WHEELS & TIRES



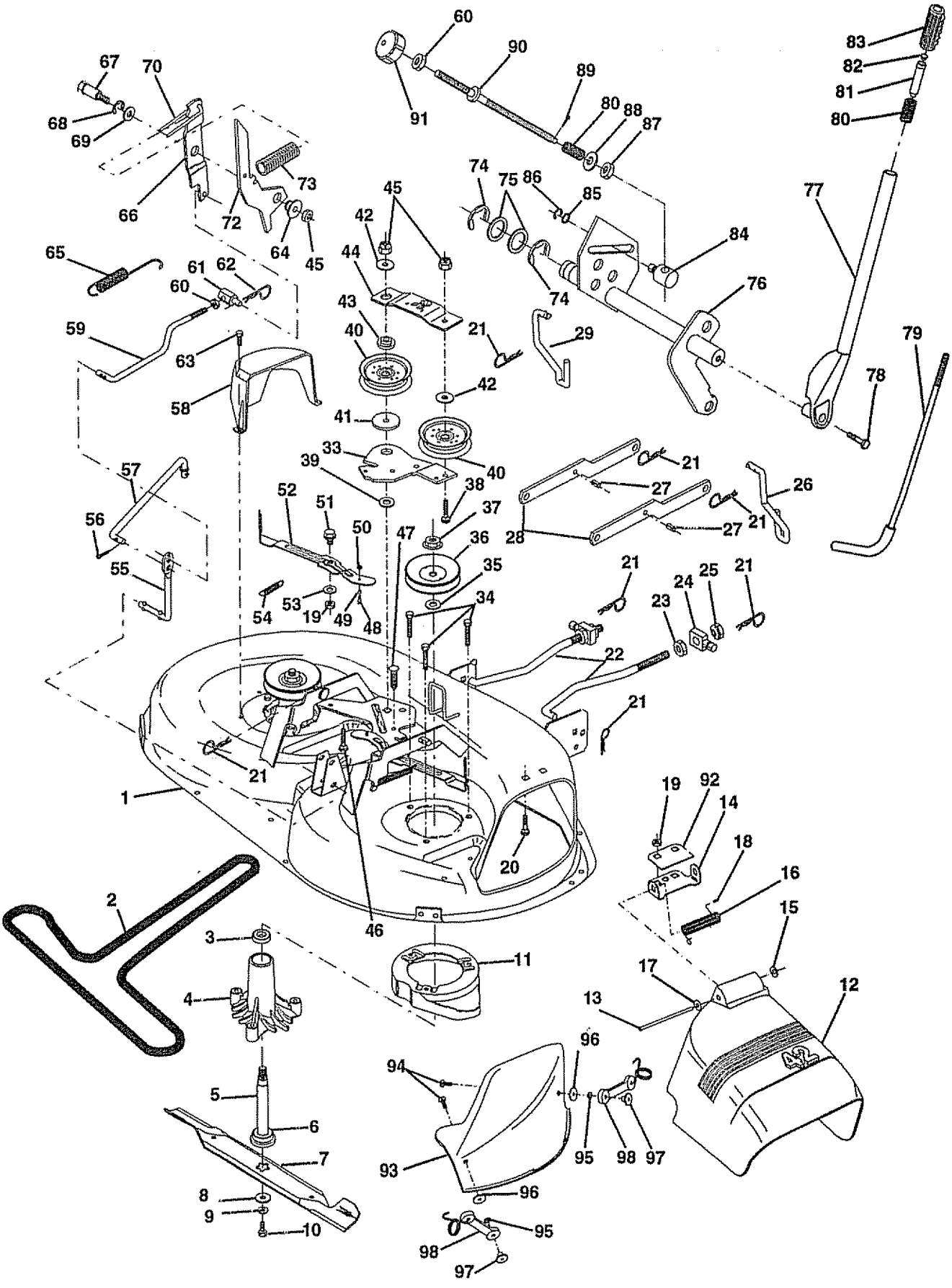
KEY NO.	PART NO.	DESCRIPTION
1	59192	Cap, Valve, Tire
2	65139	Stem, Valve
3	106222X	Tire, Front
4	59904	Tube, Front (Service Item Only)
5	106732X311	Rim Assembly, Front
6	278H	Fitting, Grease (Front Wheel Only)
7	9040H	Bearing, Flange (Front Wheel Only)
8	106108X311	Rim Assembly, Rear
9	124632X	Tire, Rear
10	7152J	Tube, Rear (Service Item Only)
11	104757X	Cap, Axle

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

42" MOWER DECK



REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

42" MOWER DECK

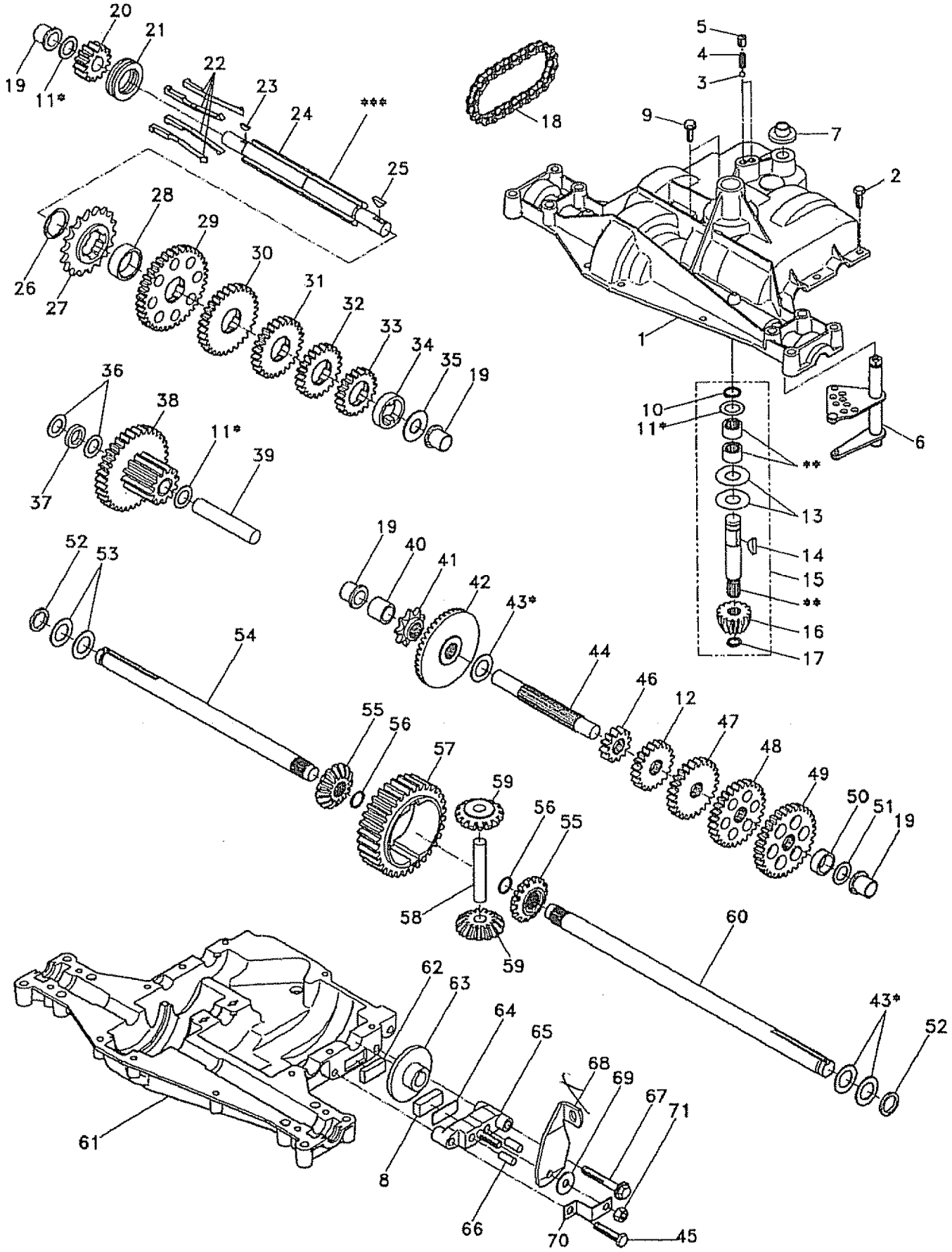
KEY NO.	PART NO.	DESCRIPTION
1	130970	Mower Deck Assembly, 42"
2	130969	V-Belt, 42" Mower
3	110485X	Bearing, Ball, Mandrel
4	128774	Housing, Mandrel, Vented
5	133172	Shaft Assembly, Mandrel, Vented (Includes Key Number 6)
6	129895	Bearing, Ball
7	134149	Blade, Mulching, 42" Mower Deck
8	129962	Washer, Hardened
9	STD551137	Washer, Lock
10	850857	Bolt 3/8-24 x 1.25 Grade 8
11	128961	Stripper, Vented Mower Deck
12	130968	Shield, Deflector
13	131491	Rod, Hinge
14	131267	Bracket, Deflector
15	110452X	Nut, Push
16	123713X	Spring, Torsion, Deflector
17	19111016	Washer 11/32 x 5/8 x 16 Gauge
18	105304X	Cap, Sleeve
19	STD541431	Nut
20	STD533107	Bolt
21	STD624008	Retainer Spring
22	127218	Link, Front
23	73350800	Nut, Hex, Jam 1/2-13 UNC
24	130171	Trunnion
25	STD541450	Nut
26	135388	Link, Lift, RH
27	135563	Pin, Spring, Slotted
28	130832	Arm, Suspension, Rear
29	134619	Link, Lift LH
33	133844	Arm, Idler
34	78158	Bolt 5/16-18 x 1.25
35	129963	Washer, Spacer
36	129861	Pulley, Mandrel
37	73050900	Nut, Toplock 9/16
38	STD533717	Bolt
39	133943	Washer, Hardened
40	131494	Pulley, Idler, Flat
41	122052X	Spacer, Retainer
42	19131612	Washer 13/32 x 1 x 12 Gauge
43	133502	Spacer, Idler Arm, Upper, Hardened
44	133503	Spacer, Idler Arm, Upper, Hardened
45	STD541437	Nut
46	72110618	Bolt, Carriage 3/8-16 x 2-1/4
47	133835	Fastner, Christmas Tree
48	131340	Bolt, Shloulder #10-24 Grade 5
49	133940	Roller Assembly, Cam Follower
50	STD541410	Locknut
51	105529X	Bolt, Shoulder 5/16-18 UNC
52	131845	Arm Assembly, Pad, Brake
53	133944	Washer, Hardened
54	131335	Spring, Extension
55	133551	Rod, Pivot, with Nibs
56	STD560907	Cotter Pin
57	133504	Rod, Clutch, Secondary, with Nibs
58	134236	Guard, Mandrel, LH
59	134666	Rod, Clutch, Primary, with Nibs
60	STD541237	Nut
61	133205	Trunnion 3/8-16 UNC x 1 30
62	STD624003	Retainer
63	17720410	Screw, Hex Head, Thread Cutting 1/4-20 x 5/8
64	127498	Bushing, Large, Brass
65	133435	Spring, Extension, Return
66	127847	Arm, Clutch, Secondary
67	128903	Bolt, Shoulder 3/8-16 UNC x 1.44
68	12000029	Ring, Klip
69	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
70	127845	Keeper, Spring
72	127846	Arm, Clutch, Primary
73	128759	Spring, Mower Clutch
74	12000022	E-Ring
75	19292016	Washer 29/32 x 1-1/4 x 16 Gauge
76	131926	Shaft Assembly, Lift
77	121002X	Lever Assembly, Lift
78	74780624	Bolt, Hex, Fin. 3/8-16 UNC x 1-1/2
79	121006X	Rod Assembly, Lever
80	2876H	Spring
81	122364X	Plunger, Lift Lever
82	122365X	Button, Plunger
83	125631X	Grip, Handle, Fluted
84	110810X	Trunnion, Depth Stop
85	19151216	Washer 15/32 x 3/4 x 16 Gauge
86	12000037	Ring, Klip
87	110807X	Nut, Special
88	STD551037	Washer
89	STD560907	Pin
90	110729X	Rod, Lift Adjust
91	100734K	Knob, Infinite Height Adjustment 3/8-16 UNC
92	134753	Stiffener Bracket
93	134079	Mulcher Cover
94	71161010	Screw
95	STD551110	Washer, Lock
96	19061216	Washer #10
97	2029J	Nut, Weld
98	130758	Latch Assembly, Bagger
- -	133171	Mower Deck, Complete (Does Not Include Mulching Components)
- -	130794	Mandrel Assembly (Includes Key Numbers 5-8, 10-12, 39 and 41)

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

DANA TRANSAXLE - MODEL NUMBER 4360-41



REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

DANA TRANSAXLE - MODEL NUMBER 4360-41

KEY NO.	PART NO.	DESCRIPTION
1	124643X	Housing, Upper
2	2274J	Screw, Tapping, Large 1/4-20 x .734
3	134400	Ball, Detent
4	105904X	Spring, Detent
5	105905X	Screw, Set
6	134788	Kit, Shifter Assembly
7	134399	Boot, Shifter
8	120951X	Puck, Friction
9	134791	Screw, Tapping, w/Sealer
10	2267J	Ring, Retaining
11	134793	Assembly, Kit, Shim, .625 Shaft
12	106151X	Gear, Spur, 15 Teeth
13	120415X	Washer, Plain .632 x 1.38 x .046
14	2257J	Key, Woodruff, #9
15	106846X	Assembly, Kit, Input Shaft
16	106095X	Pinion, Bevel, 14 Teeth
17	105909X	Ring, Retaining
18	105910X	Chain, 24 Pitches
19	105911X	Bearing, Flange
20	108976X	Gear, Spur, 14 Teeth
21	105913X	Collar, Clutch
22	120468	Key, Clutch
23	2242J	Key, Woodruff, #3
24	124638X	Shaft, Intermediate
25	2244J	Key, Woodruff, #61
26	105916X	Ring, Retaining
27	120470X	Sprocket, 18 Teeth
28	110070X	Spacer
29	108977X	Gear, Spur, 37 Teeth
30	109254X	Gear, Spur, 35 Teeth
31	124644X	Gear, Spur, 30 Teeth
32	108980X	Gear, Spur, 25 Teeth
33	120406X	Gear, Spur, 22 Teeth
34	134796	Gear, Spur, 19 Teeth
35	105925X	Washer, Plain .640 x 1.37 x .061
36	2232J	Washer, Plain .632 x 1.00 x .026
37	108978X	Spacer .630 x 1.00 x .169
38	110079X	Assembly, Gear, Combination, 12 Teeth and 35 Teeth
39	124639X	Shaft, Idler
40	120472X	Spacer .633 x .87 x .755
41	105928X	Sprocket, 9 Teeth
42	106605X	Gear, Bevel, 42 Teeth
43	134394	Assembly, Kit, Shim, .750 Shaft
44	120473X	Shaft, Drive
45	106596X	Screw, Tapping, Large 5/16-18 x 1.44
46	105933X	Gear, Spur, 12 Teeth
47	124641X	Gear, Spur, 20 Teeth
48	106589X	Gear, Spur, 25 Teeth
49	120408X	Gear, Spur, 28 Teeth
50	105937X	Gear, Spur, 31 Teeth
51	2226J	Washer, Plain .632 x 1.00 x .060
52	134401	Washer, Neoprene
53	2264J	Washer, Plain .758 x 1.25 x .031
54	120474X	Axle, Left Hand
55	120409X	Gear, Miter, 15 Teeth
56	105941X	Ring, Retaining
57	110071X	Gear, Spur, 32 Teeth
58	120952X	Shaft, Cross
59	106592X	Gear, Miter, 15 Teeth
60	120475X	Axle, Right Hand
61	134798	Housing, Lower
62	120961X	Puck, Friction
63	7294J	Disc, Brake
64	108989X	Spacer
65	120953X	Jaw, Brake
66	120954X	Pin, Dowel
67	134799	Screw, Tapping 5/16-18 x 2.25
68	108992X	Lever, Actuating
69	108996X	Washer, Plain .321 x 1.00 x .055
70	120956X	Bracket, Anti-Rotation
71	73810500	Locknut 5/16-24
72	120416X	Grease

* Use in various combinations to maintain proper clearances.

** Order Key Number 15.

*** Lubricate with Aerospace Lubricant, Inc. PC-8 Oil or equivalent.

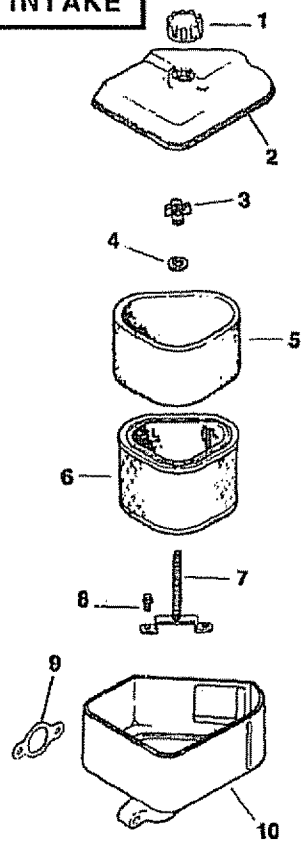
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

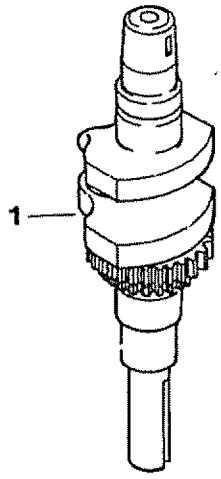
14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

KOHLER ENGINE - MODEL NUMBER CV14S, TYPE NUMBER 1445

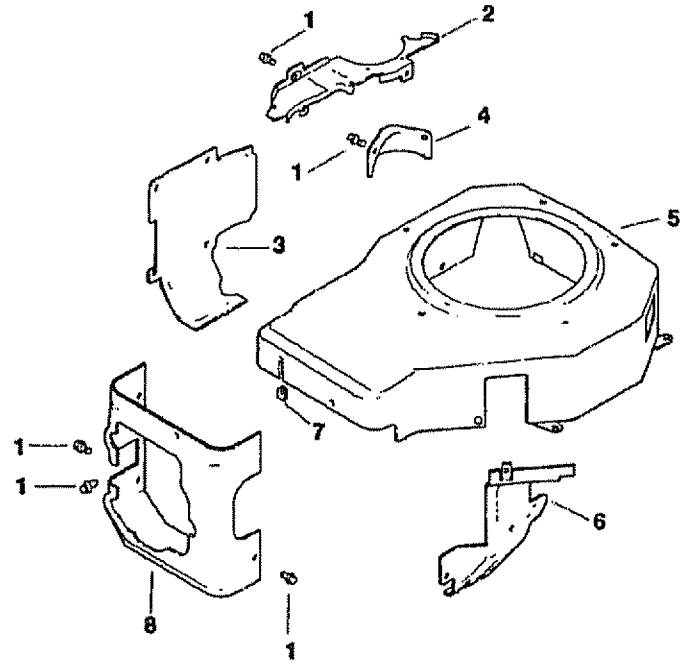
AIR INTAKE



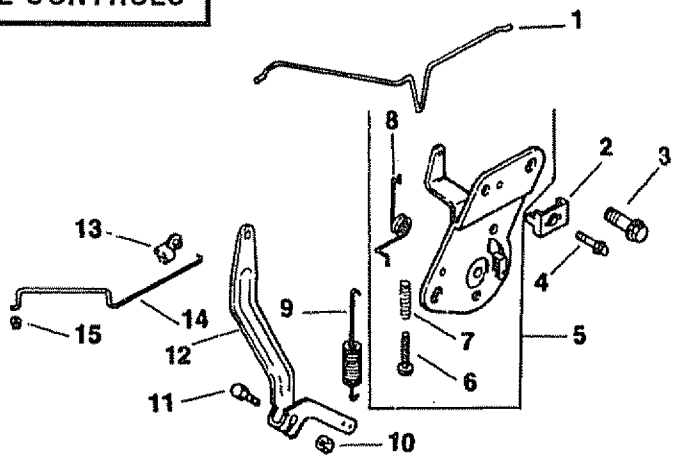
CRANKSHAFT



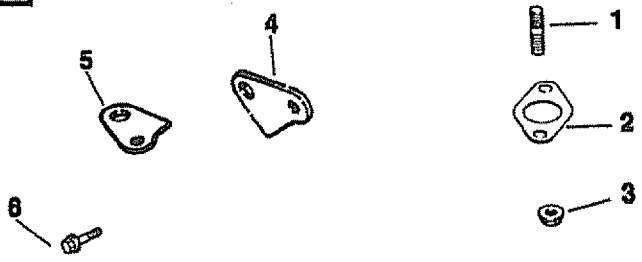
BLOWER HOUSING AND BAFFLES



ENGINE CONTROLS



EXHAUST



REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

KOHLER ENGINE - MODEL NUMBER CV14S, TYPE NUMBER 1445

AIR INTAKE

KEY NO.	PART NO.	DESCRIPTION
1	12 341 01	Knob, Air Cleaner Cover
2	12 096 06	Cover, Air Cleaner
3	12 100 01	Wing Nut
4	X-25-63	Washer, Plain 1/4
5	12 083 08	Precleaner Element
6	12 083 05	Element, Air Cleaner
7	12 072 03	Stud, Mounting Plate
8	12 086 01	Screw, Mounting Plate Stud
9	12 041 02	Gasket, Air Cleaner
10	12 094 01	Base, Air Cleaner

EXHAUST

KEY NO.	PART NO.	DESCRIPTION
1	M-0829036	Stud, Exhaust Manifold M8 x 1.25 x 20 (2)
2	12 041 03	Gasket, Exhaust Manifold
3	SM-0841080	Nut, Muffler Mounting M8 x 1.25 (2)
4	12 126 11	Bracket, Muffler
5	12 445 01	Strap, Lifting
6	SM-0645025	Screw, Lifting Strap M6 x 1.0 x 25 (3)

CRANKSHAFT

KEY NO.	PART NO.	DESCRIPTION
1	12 014 02	Crankshaft
- -	12 522 02	Short Block
- -	12 755 01	Gasket Set

BLOWER HOUSING AND BAFFLES

KEY NO.	PART NO.	DESCRIPTION
1	SM-0545010	Screw, Mounting M5 x 0.8 x 10 (14)
2	12 146 01	Plate, Blower Housing
3	12 063 01	Baffle, Cylinder Barrel
4	12 096 01	Cover, Starter
5	12 027 04	Housing, Blower
6	12 063 02	Baffle, Carburetor
7	12 313 03	Grommet, Blower Housing
8	12 063 03	Baffle, Cylinder Head

ENGINE CONTROLS

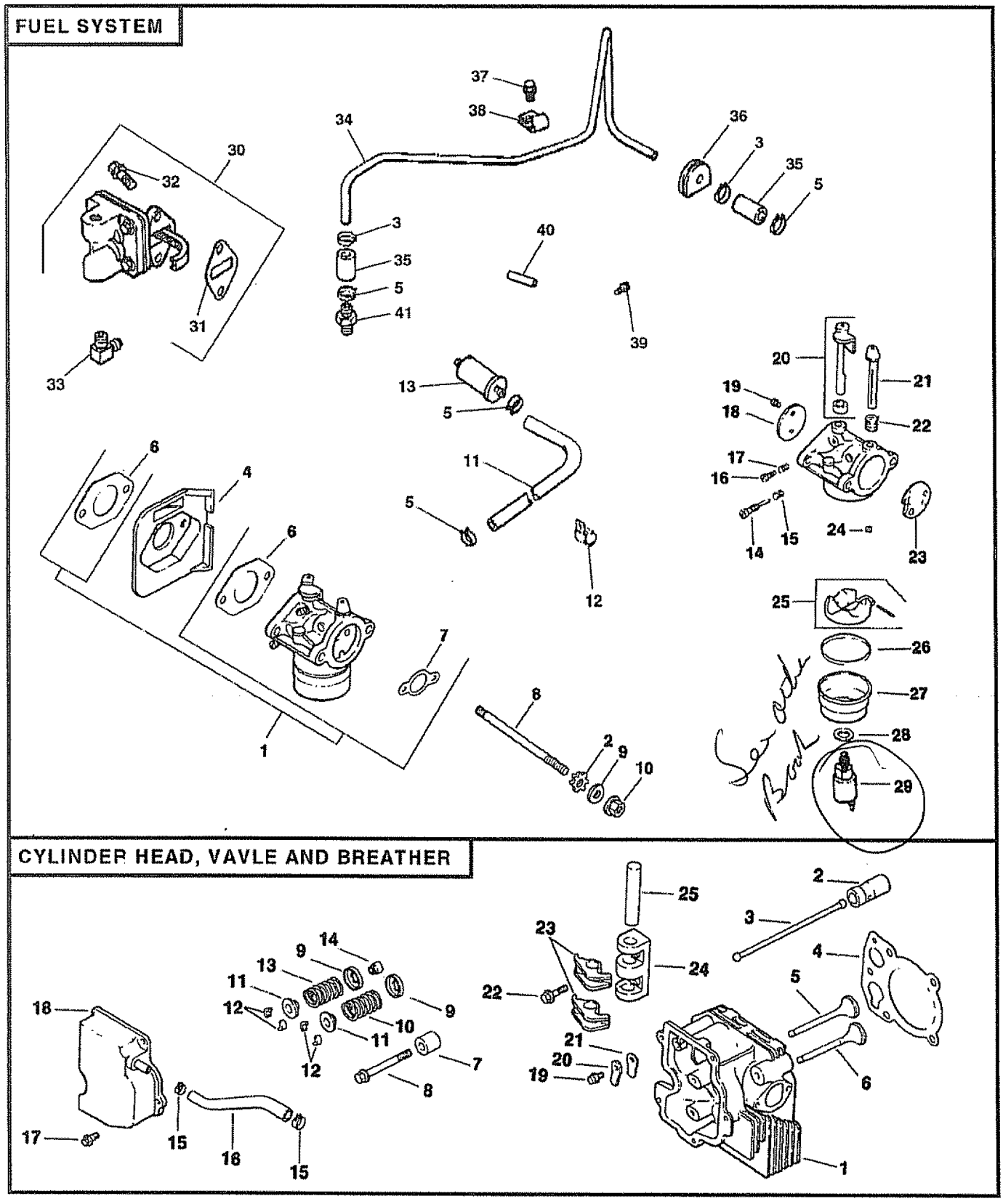
KEY NO.	PART NO.	DESCRIPTION
1	12 079 03	Linkage, Choke
2	12 237 01	Clamp, Cable
3	SM-0645020	Screw, Hex Head M6 x 1.0 x 20 (2)
4	SM-0545016	Screw, Cable Clamp
5	12 536 01	Control, Speed Assembly (Includes Key Numbers 6 through 8)
6	SM-0443025	Screw
7	12 089 11	Spring
8	12 089 04	Spring, Choke Return
9	12 089 12	Spring, Governor
10	SM-0641060	Nut, Governor Arm M6 x 1.0
11	SM-0642025	Screw, Governor Arm M6 x 1.0 x 25
12	12 090 05	Lever, Governor
13	25 158 09	Bushing
14	12 079 01	Linkage, Throttle
15	25 158 08	Bushing

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

KOHLER ENGINE - MODEL NUMBER CV14S, TYPE NUMBER 1445



REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

KOHLER ENGINE - MODEL NUMBER CV14S, TYPE NUMBER 1445

FUEL SYSTEM

KEY NO.	PART NO.	DESCRIPTION
1	12 853 08	Kit, Carburetor w/Gaskets (Includes Key Numbers 6, 7, and 14-29, and all Kits marked *)
2	X-22-11	Washer, Star 1/4
3	25 237 02	Clamp, Hose (2)
4	12 265 01	Deflector, Heat
5	X-426-9	Clamp, Hose (4)
6	12 041 01	Gasket, Carburetor (2)
7	12 041 02	Gasket, Air Cleaner
8	M-0629122	Stud, Carburetor M6 x 1.0 x 110 (2)
9	X-25-63	Washer, Plain 1/4
10	SM-0641060	Nut, Carburetor M6 x 1.0 (2)
11	52 353 22	Fuel Line
12	47 154 01	Clip, Cable
13	25 050 02	Filter, Fuel
14	12 368 01	Needle, Idle
15	12 089 09	Spring, Idle Speed
16	12 086 04	Screw, Idle Speed Adjust
17	12 089 09	Spring, Idle Fuel
18	12 146 03	Plate, Throttle
19	25 086 27	Screw, Throttle Plate (2)
20	12 144 09	Shaft, Throttle with Lever and Seal
21	12 144 08	Shaft, Choke
22	12 089 10	Spring, Choke Return
23	12 146 02	Plate, Choke
24	12 337 01	Jet, Main
25	12 757 02	Kit, Float
26	12 041 05	Gasket, Bowl
27	12 104 01	Bowl, Fuel
28	12 041 06	Gasket, Bowl Retainer Screw
29	12 086 05	Screw, Fuel Bowl
30	12 559 01	Kit, Fuel Pump (Includes Key #31)
31	25 041 09	Gasket, Fuel Pump
32	SM-0645020	Screw, Fuel Pump M6 x 1.0 x 20 (2)
33	25 155 02	Connector, Hose
34	12 123 01	Line, Fuel, Metal
35	12 353 01	Line, Fuel, Rubber (2)
36	12 313 01	Grommet, Fuel Line
37	SM-0545010	Screw, Fuel Line Clamp
38	12 154 01	Clamp, Fuel Line
39	12 086 07	Screw, Ground Wire
40	12 431 01	Sleeve, Insulating
41	X-380-1	Connector, Hose

NOT ILLUSTRATED

12 757 01	* Kit, Carburetor Repair
12 755 09	* Kit, High Altitude Jet
12 435 02	* Solenoid Assembly, Fuel
12 518 05	Lead, Solenoid, Black, 5", 14 Gauge Uninsulated Push-On Tabs
41 518 34	Lead, Ground, Green, 5", 18 Gauge Insulated Grip Barrel Eyelets

CYLINDER HEAD, VALVE AND BREATHER

KEY NO.	PART NO.	DESCRIPTION
1	12 318 01	Head, Cylinder
2	12 351 01	Lifter, Valve (2)
3	12 411 01	Rod, Push (2)
4	12 041 04	Gasket, Cylinder Head
5	12 017 01	Valve, Intake, Standard Size
	12 017 02	Valve, Intake .25" oversize
6	12 016 01	Valve, Exhaust, Standard
	12 016 02	Valve, Exhaust .25" oversize
7	12 112 04	Spacer, Head Bolt Exhaust Port
8	M-1040080	Screw, Cylinder Head M10 x 1.5 x 80 (5)
9	52 018 01	Retainer, Spring (2)
10	12 089 15	Spring, Exhaust Valve, Green
11	12 173 01	Cap, Valve Spring (2)
12	12 755 03	Kit, Retainer (2)
13	12 089 01	Spring, Intake Valve
14	12 032 02	Seal, Valve Stem
15	X-426-9	Clamp, Hose (2)
16	12 326 03	Hose, Breather
17	SM-0645020	Screw, Valve Cover M6 x 1.0 x 20 (3)
18	12 096 07	Cover, Valve with Nipple
19	SM-0545010	Screw, Breather Reed Retainer M5 x 0.8 x 1
20	12 018 01	Retainer, Breather Reed
21	12 402 01	Reed, Breather
22	SM-0642025	Screw, Rocker Bridge M6 x 1.0 x 25 (2)
23	12 186 01	Arm, Rocker (2)
24	12 126 05	Bridge, Rocker Arm
25	12 144 03	Shaft, Rocker Arm

NOT ILLUSTRATED

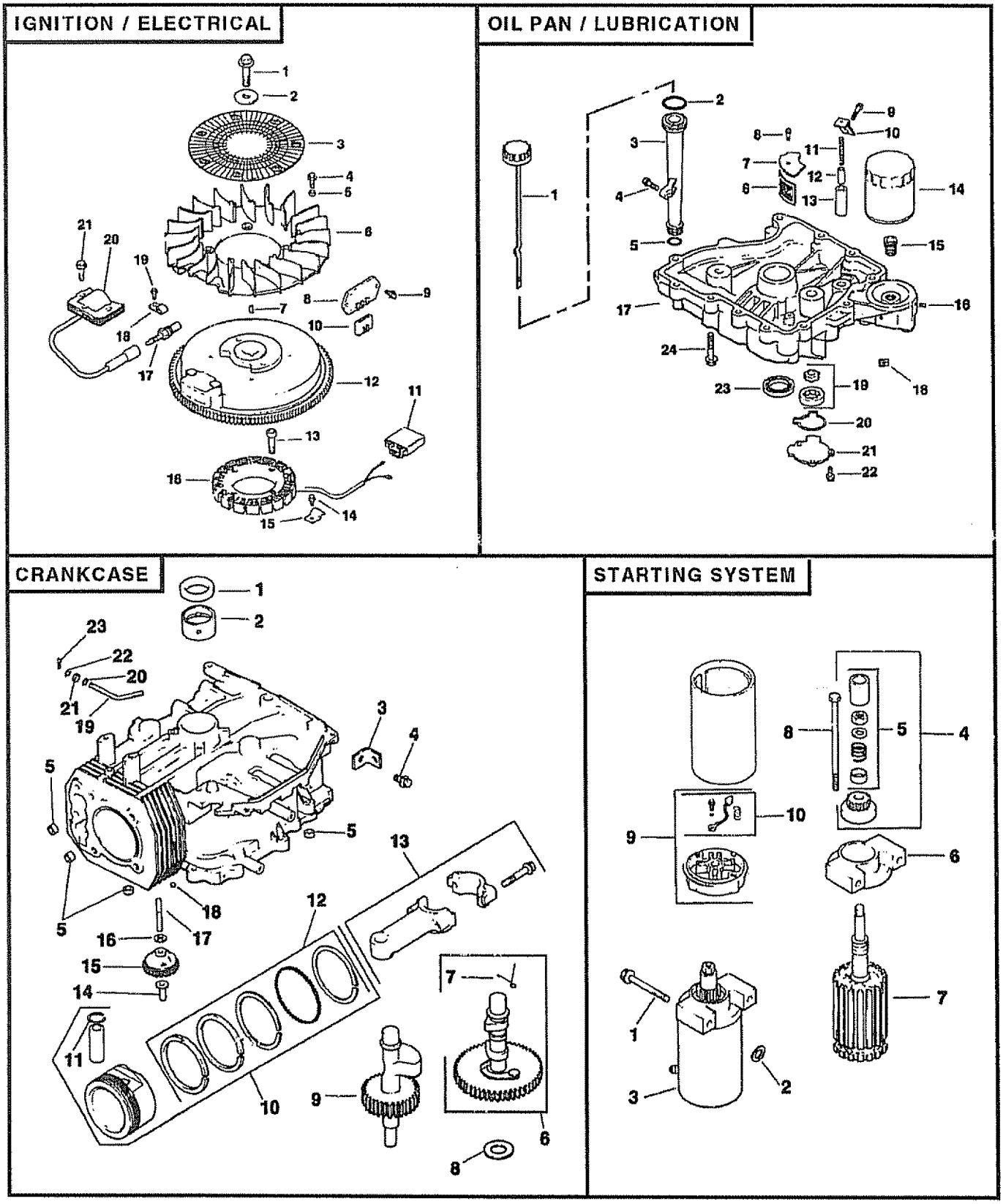
12 755 02	Kit, Cylinder Head

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

KOHLER ENGINE - MODEL NUMBER CV14S, TYPE NUMBER 1445



REPAIR PARTS

14 HP 42" TRACTOR - - MODEL NUMBER 917.255692

KOHLER ENGINE - MODEL NUMBER CV14S, TYPE NUMBER 1445

IGNITION / ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION
1	SM-1040045	Screw, Flywheel Mounting
2	12 468 03	Washer, Flywheel Mounting Screw
3	12 162 01	Screen, Grass
4	SM-0639016	Screw, Fan Mounting (4)
5	12 112 01	Spacer, Fan (4)
6	12 157 01	Fan
7	X-42-15	Key
8	41 403 09	Rectifier-Regulator
9	SM-0639016	Screw, Rectifier-Regulator M6 x 1.0 x 16 (2)
10	236602	Connector, Rectifier-Regulator
11	236473	Connector, 3 Contact
12	12 025 01	Flywheel Assembly
13	SM-0544025	Screw, Stator Mounting M5 x 0.8 x 25 (4)
14	SM-0545010	Screw, Stator Harness Clip M5 x 0.8 x 10
15	12 154 02	Clip, Stator Harness
16	41 085 07	Stator, 15 Amp
17	12 132 02	Spark Plug
18	X-728-1	Clip, Kill Lead
19	SM-0545010	Screw, Lead Clip
20	12 584 01	Module, Ignition
21	SM-0545020	Screw, Ignition Module M5 x 0.8 x 20 (2)
NOT ILLUSTRATED		
	25 518 05	Lead, Black, Rectifier To Connector 5"-14 Gauge, Uninsulated Push-on Tab Terminals
	12 518 01	Lead, White, Ground To Kill

OIL PAN / LUBRICATION

KEY NO.	PART NO.	DESCRIPTION
1	12 038 01	Dipstick
2	12 153 02	O-Ring, Upper Oil Fill Tube
3	12 123 04	Tube, Oil Fill
4	SM-0545020	Screw, Oil Fill Tube M5 x 0.8 x 20
5	12 153 01	O-Ring, Lower Oil Fill Tube
6	12 162 02	Screen, Oil Pick-up
7	12 096 03	Cover, Oil Pick-up Screen
8	SM-0545016	Screw, Screen Cover
9	SM-1039025	Screw, Oil Pump Relief Valve Bracket M10 x 1.5 x 25
10	12 126 02	Bracket, Oil Pump Relief Bracket
11	12 089 03	Spring, Oil Pump Relief Valve
12	12 462 01	Piston, Oil Pump Relief Valve
13	12 208 01	Body, Oil Pump Relief Valve
14	52 050 02	Filter, Oil
15	12 136 01	Adapter
16	X-75-23	Plug
17	12 199 09	Pan, Oil
18	X-75-10	Plug, Solid Sq. Hd. 3/8 NPTF (2)
19	12 393 01	Pump, Oil
20	12 032 04	O-Ring, Oil Pump Cover
21	12 096 02	Cover, Oil Pump
22	SM-05 15016	Screw, Oil Pump Cover M5 x 0.8 x 16 (3)
23	12 032 03	Seal, Oil (P.T.O. End)
24	SM-0839045	Screw, Oil Pan M8 x 1.25 x 45 (12)

CRANKCASE

KEY NO.	PART NO.	DESCRIPTION
- -	- - -	Block, Cylinder (Use Short Block, Part Number 12 522 02)
1	12 032 03	Seal, Crankshaft
2	12 030 01	Bearing, Crankshaft, Standard (Flywheel End)
	12 030 02	Bearing, Crankshaft .25" oversize
	12 030 03	Bearing, Crankshaft .50" oversize
3	12 445 02	Strap, Lifting
4	SM-0839025	Screw, Lifting Strap
5	12 380 03	Dowel, Locating (4)
6	12 010 02	Camshaft Assembly (Includes #7)
7	12 089 05	Spring, Actuating
8	12 422 01	Shim, Camshaft
	12 422 02	Shim, Camshaft (as required)
	12 422 03	Shim, Camshaft (as required)
	12 422 11	Shim, Camshaft (as required)
	12 422 12	Shim, Camshaft (as required)
	12 422 06	Shim, Camshaft (as required)
	12 422 07	Shim, Camshaft (as required)
9	12 144 04	Shaft, Balance
10	12 874 01	Piston w/Ring Set, Standard
	12 874 02	Piston w/Ring Set .25" oversize
	12 874 03	Piston w/Ring Set .50" oversize
11	12 018 02	Retainer, Piston Pin (2)
12	12 108 01	Ring Set, Standard
	12 108 02	Ring Set .25" oversize
	12 108 03	Ring Set .50" oversize
13	12 067 01	Connecting Rod, Standard
	12 067 02	Connecting Rod .25" oversize
14	12 380 01	Pin, Governor Regulating
15	12 043 05	Gear, Governor Assembly
16	SM-0631005	Washer, Governor Gear Thrust
17	12 144 02	Shaft, Governor Gear
18	52 139 09	Plug, Cup
19	12 144 01	Shaft, Governor Cross
20	SM-0631015	Washer, Governor Shaft
21	12 032 01	Seal, Governor Cross Shaft
22	X-25-102	Washer, Plain
23	12 380 04	Pin, Governor Hitch

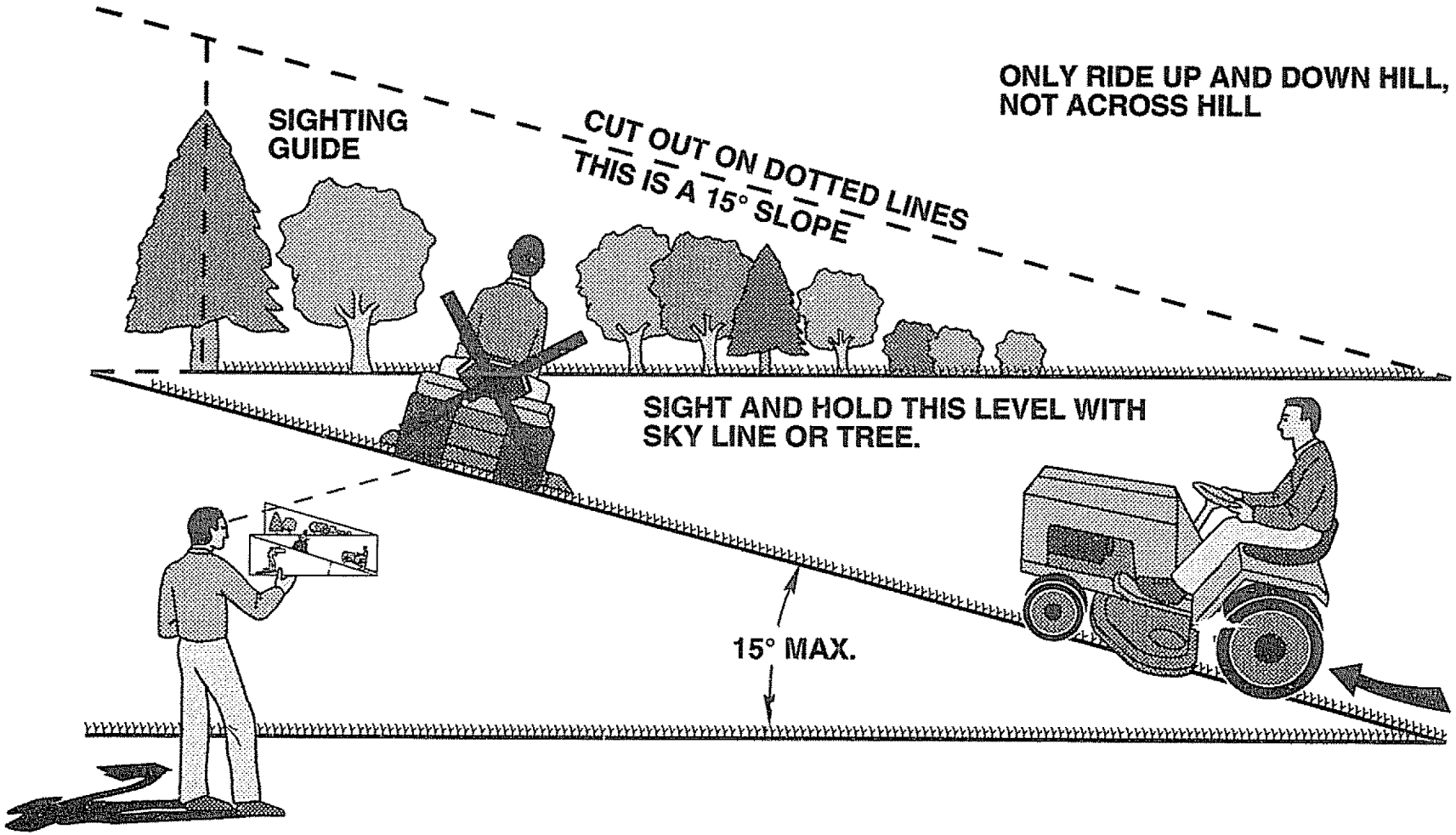
STARTING SYSTEM

KEY NO.	PART NO.	DESCRIPTION
1	SM-0839065	Screw, Bendix Starter M8 x 1/25 x 65.5 (2)
2	12 468 01	Washer (2)
3	12 098 05	Starter Assembly (Includes #4-10)
4	12 755 12	Kit, Drive (Includes Key Number 5)
5	12 755 06	Kit, Drive Parts
6	12 227 01	Cap, Drive End
7	12 170 02	Armature
8	12 086 02	Screw, Hex Flange
9	12 243 01	Cap, Commutator End (Includes Key Number 10)
10	48 755 15	Kit, Brush
NOT ILLUSTRATED		
	52 357 01	Lubricant, Starter

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

SERVICE NOTES

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION


SIGHTING GUIDE
CUT OUT ON DOTTED LINES
THIS IS A 15° SLOPE
ONLY RIDE UP AND DOWN HILL, NOT ACROSS HILL
SIGHT AND HOLD THIS LEVEL WITH SKY LINE OR TREE.
15° MAX.

Operate your Tractor up and down the face of slopes (not greater than 15°), never across the face. Make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.

SEARS

OWNER'S MANUAL

MODEL NO. 917.255692

HOW TO ORDER REPAIR PARTS

CRAFTSMAN®

14.0 HP OHV ELECTRIC START 3 in One Convertible 42" MOWER DECK 6 SPEED TRANSAXLE LAWN TRACTOR

Each tractor has its own model number. Each engine has its own model number.

The model number for your tractor will be found on the model plate located under the seat.

The model number for your engine will be found on the blower housing.

All parts listed herein may be ordered from any Sears, Roebuck and Co. Service Centers and most Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- **PRODUCT - LAWN TRACTOR**
- **MODEL NUMBER - 917.255692**
- **ENGINE MODEL NUMBER - CV 14, TYPE NUMBER PS 1445**
- **PART NUMBER**
- **PART DESCRIPTION**

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